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PROJECT IDENTIFICATION DATA

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-01374-24 (P&C) VEIS, ARTHUR, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Matrix component interactions in calcified tissues (cattle, rats, chickens).

R01DE-01534-23 (OBM) MANDEL, IRWIN D, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y 10032 Host factors in caries resistance (human, bacteria).

P01DE-01697-22 (SSS) FORREST, EDWARD J, 3501 TERRACE STREET, PITTSBURGH, PA 15261 Craniofacial problems.

P01DE-01697-22 0035 (SSS) DOYLE, WILLIAM J. Craniofacial problems--Non-human primate model of cleft palate (monkeys).

P01DE-01697-22 0036 (SSS) FISHER, STANLEY E. Craniofacial problems--Evaluation of velopharyngeal sphincteric function (human).

P01DE-01697-22 0037 (SSS) GLASER, ELLEN R. Craniofacial problems--Effects of oronasal fistulae on speech (human).

P01DE-01697-22 0038 (SSS) LAMBDON, HERBERT L. Craniofacial problems--Anatomy of the posterior pharyngeal wall (human).

P01DE-01697-22 0039 (SSS) PARADISE, JACK L. Craniofacial problems--Otitis media and its consequences (human).

P01DE-01697-22 0040 (SSS) SIEGEL, MICHAEL I. Craniofacial problems--Pattern recognition for reconstruction of nasal capsular anatomy (primates).

P01DE-01697-22 0041 (SSS) STOOL, SYLVAN E. Craniofacial problems--Effect of palate repair on eustachian tube function (human).

P01DE-01850-21 (SSS) SINGER, LEON, UNIVERSITY OF MINNESOTA, 4-225 MILLARD HALL, MINNEAPOLIS, MINN 55455 Nutritional sources and metabolic roles of fluoride.

P01DE-01850-21 0068 (SSS) OPHAUG, ROBERT H. Nutritional sources and metabolic roles of fluoride--Radioimmunoassay of parathyroid hormone in the rat.

P01DE-01850-21 0071 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Fluoride content of infant, toddler and adult foods (human).

P01DE-01850-21 0075 (SSS) OPHAUG, ROBERT H. Nutritional sources and metabolic roles of fluoride--Metabolic handling of perfluorooctanoic acid (rats).

P01DE-01850-21 0081 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Effect of fluoride intake on strain N mice.

P01DE-01850-21 0082 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Nanomic fluorine in foods (human).

P01DE-01850-21 0084 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Absorption of fluoride from dietary substances (mice).

P01DE-01850-21 0087 (SSS) OPHAUG, ROBERT H. Nutritional sources and metabolic roles of fluoride--Effect of fluoride intake on serum alkaline phosphatase activity (human).

P01DE-01850-21 0088 (SSS) OPHAUG, ROBERT H. Nutritional sources and metabolic roles of fluoride--Determining ionic fluoride content of human plasma.

P01DE-01850-21 0089 (SSS) OPHAUG, ROBERT H. Nutritional sources and metabolic roles of fluoride--Fluoride and glycosaminoglycans in bone (rats).

P01DE-01850-21 0090 (SSS) OPHAUG, ROBERT H. Nutritional sources and metabolic roles of fluoride--Effect of skeletal fluoride load on retention of administered fluoride (rats).

R01DE-01913-21 (OBM) YOUNG, ROBERT A, GEORGIA INST OF TECHNOLOGY, SCHOOL OF PHYSICS, ATLANTA, GA 30332 Tooth enamel apatite at the atomic level (human).

R01DE-02102-20 (SSS) URIST, MARSHALL R, UNIVERSITY OF CALIFORNIA, 1000 VETERAN AVENUE, LOS ANGELES, CALIF 90024 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human).

R01DE-02110-20 (OBM) SCHNEYER, CHARLOTTE A, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Salivary gland structure and function (mice, rats).

R01DE-02220-19 (OBM) MAHLER, DAVID B, OREGON HLTH SCIS UNIVERSITY , 611 S W CAMPUS DRIVE, PORTLAND, OR 97201 Clinical behavior of dental restorative materials (human).

R01DE-02342-13 (OBM) MEYER, JULIA, UNIV OF ILLINOIS AT CHICAGO , POST OFFICE BOX 6998, CHICAGO, ILL 60680 Normal and altered oral mucosa (rats).

NP1DE-02434-05 (**) MICHALEK, SUZANNE M, BIRMINGHAM, ALABAMA Immunize rodents with non freund-type adjuvanes vaccines.

R01DE-02525-19 (OBM) SHMAKLINK, JAMES W, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OHIO 44106 Ultrastructural histopathology of human dental enamel.

P30DE-02600-18 (DSR) PAGE, ROY C, UNIVERSITY OF WASHINGTON, CENTER/RESEARCH IN ORAL BIOL , SEATTLE, WASH 98195 Support for oral biology research center.

P30DE-02600-18 0003 (DSR) BORNSTEIN, PAUL A. Support for oral biology research center--Disorders of connective tissue metabolism (human).

P30DE-02600-18 0014 (DSR) CLAGETT, JAMES A. Support for oral biology research center--B and T cell response in periodontal disease (bacteria).

P30DE-02600-18 0022 (DSR) STORB, URSULA B. Support for oral biology research center--Regulation of antibody response (mice).

P30DE-02600-18 0026 (DSR) HOWARD, GUY. Support for oral biology research center--Repletion and coupling in bone volume regulation (human, monkeys).

P30DE-02600-18 0030 (DSR) ALTMAN, LEONARD C. Support for oral biology research center--Leukocyte function--Its role in periodontal disease (human).

P30DE-02600-18 0034 (DSR) IZUTSU, KENNETH T. Support for oral biology research center--Salivary and oral mucosal changes after cancer chemotherapy (human).

P30DE-02600-18 0035 (DSR) KENNY, GEORGE E. Support for oral biology research center--Serotyping of microbes for diagnosis of periodontitis (rabbits).

P30DE-02600-18 0037 (DSR) MONCLA, BERNARD. Support for oral biology research center--Periodontal microflora (human).

P30DE-02600-18 0038 (DSR) NARAYANAN, A SAMPATH. Support for oral biology research center--Connective tissue, fibroblasts and periodontitis (human).

P30DE-02600-18 0041 (DSR) PAGE, ROY C. Support for oral biology research center--Perio treatment (human).

P30DE-02600-18 0043 (DSR) ALTMAN, LEONARD C. Support for oral biology research center--Neutrophil mediated sulcus epithelial cell injury (human).

P30DE-02600-18 0045 (DSR) BIRDSELL, D C. Support for oral biology research center--Colonization by oral gram negative anaerobic bacteria.

P30DE-02622-17 (DSR) ROSENBLOOM, JOEL, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Center for oral health research.

P30DE-02622-17 0002 (DSR) COHEN, GARY H. Center for oral health research--Glycoprotein gD of herpes simplex virus.

P30DE-02622-17 0009 (DSR) LISTGARTEN, MAX A. Center for oral health research--Oral microorganisms in periodontal health and disease (human, rats).

P30DE-02622-17 0023 (DSR) TAICHMAN, NORTON S. Center for oral health research--Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals).

P30DE-02622-17 0030 (DSR) SHAPIRO, IRVING M. Center for oral health research--Cellular control of mineralization.

P30DE-02622-17 0032 (DSR) MALAMUD, D. Center for oral health research--Interactions of salivary agglutinins and oral bacteria.

P30DE-02622-17 0034 (DSR) NOWOTNY, ALOIS H. Center for oral health research--Bacterial components inducing bone resorption.

P30DE-02622-17 0035 (DSR) DIBENZO, JOSEPH. Center for oral health research--Physiology and genetics of transport in the oral fusobacteria.

P30DE-02622-17 0036 (DSR) LALLY, EDWARD. Center for oral health research--Cellular aspects of the murine IgA response.

P30DE-02622-17 0037 (DSR) ROSENBLOOM, JOEL. Center for oral health research--Enamel proteins and their genes.

P30DE-02648-18 (DSR) BAWDEN, JAMES W, UNIV OF NORTH CAROLINA DENTAL RESEARCH BLDG 210H, CHAPEL HILL, N C 27514 Regional dental research center.

P30DE-02648-18 0029 (DSR) TOVERUD, S U. Regional dental research center--Acid phosphatases in developing bones and teeth (rats).

P30DE-02648-18 0068 (DSR) TOVERUD, S U. Regional dental research center--Hypervitaminosis D in lactation (rats).

P30DE-02648-18 0123 (DSR) KUSY, ROBERT P. Regional dental research center--In situ replication techniques and the wear of restorative materials.

P30DE-02648-18 0125 (DSR) MECHANIC, GERALD L. Regional dental research center--Collagen crosslinks and the fate of extracellular matrix.

P30DE-02648-18 0149 (DSR) TURNER, DEREK T. Regional dental research center--Strengths of polymers in tooth restorative materials.

P30DE-02648-18 0150 (DSR) TURNER, DEREK T. Regional dental research center--Polymerization of tooth restorative composite materials.

P30DE-02648-18 0151 (DSR) BAWDEN, JAMES W. Regional dental research center--Factors controlling the flux of ions into developing enamel.

P30DE-02648-18 0160 (DSR) WHITE, GILBERT C. Regional dental research center--Thrombin-platelet interactions (human).

P30DE-02648-18 0172 (DSR) JOHNSTON, MALCOLM C. Regional dental research center--Genetic and environmental factors in tracism in development of cleft lip (mice).

P30DE-02648-18 0176 (DSR) MECHANIC, GERALD L. Regional dental research center--Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo).

P30DE-02648-18 0190 (DSR) LUNDBLAD, ROGER L. Regional dental research center--Thrombin and prothrombin.

P30DE-02648-18 0191 (DSR) WILDER, ALDRIDGE D. Regional dental research center--Clinical evaluation of restorative materials and techniques (human).

P30DE-02648-18 0192 (DSR) HIRSCH, PHILIP F. Regional dental research center--Skeletal actions of calcitonin in the rat.

P30DE-02648-18 0196 (DSR) HANKER, JACOB S. Regional dental research center--Cytochemical demonstration of macromolecules of craniofacial tissue (mice).

P30DE-02648-18 0197 (DSR) HANKER, JACOB S. Regional dental research center--Peripheral nerves of the orofacial region.

P30DE-02648-18 0199 (DSR) WHITSEL, BARRY L. Regional dental research center--Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri.

P30DE-02648-18 0300 (DSR) WHITSEL, BARRY L. Regional dental research center--Response of mechanoreceptive afferents to moving tactile stimuli (monkeys, human).

P30DE-02648-18 0304 (DSR) DREYER, DUANE A. Regional dental research center--Psychophysical measures of combined tactile and thermal sensitivity (human).

P30DE-02648-18 0209 (DSR) DREYER, DUANE A. Regional dental research center--Static and dynamic properties of S-I neurons in the behaving macaque monkey.

P30DE-02648-18 0210 (DSR) WHITSEL, BARRY L. Regional dental research center--Somesthetic capacities of human subjects (monkeys).

P30DE-02648-18 0213 (DSR) COPPEY, JAMES C. Regional dental research center--Androgen metabolism and androgen receptors.

P30DE-02648-18 0214 (DSR) WARREN, DONALD W. Regional dental research center--Motor control during speech.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

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PROJECT NO. REVIEW GROUP INVESTIGATOR, ADDRESS, AND TITLE

P50DE-02568-18 0215 (DSR) HIRSCH, PHILIP F. Regional dental research center--Osteopenia--Fators influencing development and recovery (rats)

P50DE-02670-18 (DSR) FULLMER, HAROLD M. UNIV OF ALABAMA SCH OF DENT , UNIV OF ALABAMA IN BIRMINGHAM , BIRMINGHAM, ALA 35294 Institute of dental research

P50DE-02670-18 0001 (DSR) BUGG, CHARLES E. Institute of dental research--Crystal structures of calcium and phosphate complexes and of related proteins

P50DE-02670-18 0003 (DSR) BUTLER, WILLIAM T. Institute of dental research--Biochemistry of collagenous and noncollagenous proteins of connective tissues

P50DE-02670-18 0014 (DSR) KOULOURIDES, THEODORE. Institute of dental research--Mechanism of production of carious lesions (human)

P50DE-02670-18 0018 (DSR) MESTECKY, JIRI F. Institute of dental research--Structure of human secretory immunoglobulin A

P50DE-02670-18 0019 (DSR) MILLER, EDWARD J. Institute of dental research--Chemistry and molecular biology of the connective tissue protein, collagen

P50DE-02670-18 0020 (DSR) NAVIA, JUAN M. Institute of dental research--Nutrition--Disease proneness during dental development

P50DE-02670-18 0024 (DSR) RODEN, LENNART. Institute of dental research--Metabolism of connective tissue proteoglycans

P50DE-02670-18 0029 (DSR) BAKER, JOHN R. Institute of dental research--Structure of connective tissue proteoglycans (cattle)

P50DE-02670-18 0033 (DSR) CURTISS, ROY. Institute of dental research--Genetic and biochemical basis for S mutans virulence (rats)

P50DE-02670-18 0035 (DSR) PARMLEY, RICHARD T. Institute of dental research--Granulocyte growth and division (mammals)

P50DE-02670-18 0036 (DSR) RETIEF, D HUGO. Institute of dental research--Dental caries preventive measures (rats)

P50DE-02670-18 0037 (DSR) MCGHEE, JERRY R. Institute of dental research--Cellular basis of induction of secretory immune response (mice)

P50DE-02670-18 0038 (DSR) GAY, STEFFEN. Institute of dental research--Immunology-pathology of the different collagen types (rats)

P50DE-02670-18 0039 (DSR) BIRKEDAL-HANSEN, HENNING. Institute of dental research--Structure and function of latent collagenase

P50DE-02670-18 0040 (DSR) CAULFIELD, PAGE W. Institute of dental research--Streptococcus mutans strains common to mother and child

P50DE-02670-18 0041 (DSR) MICHALEK, SUZANNE M. Institute of dental research--Oral disease immunobiology--Hybridoma technology

P50DE-02731-18 (DSR) AVERY, JAMES K. UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Development support for dental research institute

P50DE-02731-18 0001 (DSR) ASH, MAJOR M. Development support for dental research institute--Functional disturbances of the masticatory system (human)

P50DE-02731-18 0019 (DSR) CLEWELL, DON B. Development support for dental research institute--Structure and maintenance of extrachromosomal DNA in streptococci

P50DE-02731-18 0021 (DSR) LOESCHE, WALTER J. Development support for dental research institute--Bacterial specificity in periodontal disease (human)

P50DE-02731-18 0031 (DSR) DZIEWIATKOWSKI, DOMINIC D. Development support for dental research institute--Chemistry and physiology of proteoglycans and collagen of connective tissues (hum

P50DE-02731-18 0032 (DSR) MACCALLUM, DONALD K. Development support for dental research institute--Epithelial cell basal lamina biosynthesis (rats)

P50DE-02731-18 0033 (DSR) CAFFESSE, R G. Development support for dental research institute--Clinical trials of periodontal therapy (human)

P50DE-02731-18 0034 (DSR) KESSLER, R E. Development support for dental research institute--Microbial biochemistry lab

P50DE-02731-18 0035 (DSR) LOPATIN, DENNIS E. Development support for dental research institute--Immune regulation in periodontal disease

P50DE-02731-18 0037 (DSR) OBRIEN, W J. Development support for dental research institute--Luminescence and polarized light in the diagnosis and treatment of caries

R01DE-02774-16 (OBM) BRINKLEY, LINDA L. UNIVERSITY OF MICHIGAN, 1335 CATHERINE ST, ANN ARBOR, MICH 48109 Tissue interaction in palatal shelf closure (mice)

P01DE-02847-16 (SSS) GIBBONS, RONALD J. FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Microbial ecology and its relation to dental disease

P01DE-02847-16 0020 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease--Acquisition transmission and localization of human oral bacteria

P01DE-02847-16 0021 (SSS) VANHOUTE, JOHANNES. Microbial ecology and its relation to dental disease--Acquisition, transmission and localization of human oral bacteria (rodents)

P01DE-02847-16 0022 (SSS) JORDAN, HAROLD V. Microbial ecology and its relation to dental disease--Cemental caries as a dental problem (human, rats, primates)

P01DE-02847-16 0023 (SSS) SOCRANSKY, SIGMUND S. Microbial ecology and its relation to dental disease--Microbiota associated with periodontal diseases (human, rats, hamsters)

P01DE-02848-14 (SSS) SLAVKIN, HAROLD C. UNIV OF SOUTHERN CALIFORNIA , GERONTOLOGY CENTER 314, LOS ANGELES, CA 90089-0191 Biology of connective tissue, bones, and teeth

P01DE-02848-14 0005 (SSS) ZEICHNER-DAVID, MARGARITA. Biology of connective tissue, bones, and teeth--Enamel gene expression in tooth development (vertebrates)

P01DE-02848-14 0006 (SSS) SLAVKIN, HAROLD C. Biology of connective tissue, bones, and teeth--Gene expression during ameloblast differentiation (rabbits)

P01DE-02848-14 0007 (SSS) SLAVKIN, HAROLD C. Biology of connective tissue, bones, and teeth--Extracellular matrix and epithelial gene expression (animals)

P01DE-02848-14 0022 (SSS) FERGUSON, MARK W. Biology of connective tissue, bones, and teeth--Epithelial-mesenchymal interactions in palate morphogenesis (animals)

PROJECT NO. REVIEW GROUP INVESTIGATOR, ADDRESS, AND TITLE

R01DE-02862-17 (SSS) RICHARDSON, ELISHA R. MEHARRY MEDICAL COLLEGE, 1005 18TH AVENUE, NORTH, NASHVILLE, TENN 37208 Growth and development of the human head

P01DE-02872-15 (SSS) ADUSS, HOWARD. P O BOX 6998, CHICAGO, ILL 60680 Center for craniofacial anomalies

P01DE-02872-15 0018 (SSS) ADUSS, HOWARD. Center for craniofacial anomalies--Computerization of clinical data

P01DE-02872-15 0062 (SSS) ADUSS, HOWARD. Center for craniofacial anomalies--Growth studies

P01DE-02872-15 0063 (SSS) KAYE, CELIA I. Center for craniofacial anomalies--Genetic studies (human)

P01DE-02872-15 0064 (SSS) GOULD, HERBERT J. Center for craniofacial anomalies--Audiology

R01DE-02936-16 (OBM) MAHLER, DAVID B. OREGON HLTH SCI UNIV, 611 S W CAMPUS DRIVE, PORTLAND, OREG 97201 Relationship of microstructure to behavior of amalgam

R01DE-02953-13 (PBC) LI, SHU-TUNG. THE UNIVERSITY OF CONNECTICUT, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 The developmental biology of calcified tissues (rats)

RC1DE-03180-14 (BM) ROSAN, BURTON. UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19174 Microbiologic studies of the human oral streptococci (also rabbits)

R01DE-03187-13 (OBM) MORENO, EDGARD C. FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Transport in enamel and solubility of enamel (human)

R01DE-03223-14 (OBM) NANCOLLAS, GEORGE H. STATE UNIV OF NY AT BUFFALO , MAIN ST CAMPUS, BUFFALO, NY 14214 Kinetics of mineralization of teeth (human)

R01DE-03246-15 (CBY) CAPLOW, MICHAEL. U OF NORTH CAROLINA/CHAPEL HIL, DEPARTMENT OF BIOCHEMISTRY, CHAPEL HILL, N C 27514 Biochemical mechanisms relevant to dentistry

R01DE-03258-13 (OBM) KURAMITSU, HOWARD K. NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL 60611 Cloning of streptococcus mutans genes (human, rabbits)

R01DE-03301-14 (PBC) PAGE, ROY C. UNIVERSITY OF WASHINGTON, DEPARTMENT OF PATHOLOGY SM-30 , SEATTLE, WASH 98195 Connective tissues of the periodontium (human, dog)

R01DE-03318-13 (PBC) SCHNEIR, MICHAEL L. UNIV OF SOUTHERN CALIFORNIA , SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-1482 The molecular nature of gingival and mucosal collagen (rats)

R01DE-03420-12 (OBM) TAUBMAN, MARTIN A. FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Immune phenomena in experimental periodontal disease (rats)

R01DE-03487-13 (BM) SHOCKMAN, GERALD D. TEMPLE UNIVERSITY, DEPT OF MICROBIOL/IMMUNOLOGY , PHILADELPHIA, PA 19140 Inhibition of human cariogenic streptococci

R01DE-03488-13 (OBM) TANNER, ANNE C. FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Microbial composition of developing dental plaque (human, bacteria)

P01DE-03548-10 (SSS) MC CARTHY, JOSEPH G. NEW YORK UNIVERSITY MED CTR , 550 FIRST AVENUE, NEW YORK, N Y 10016 Craniofacial anomalies--Etiology and treatment

P01DE-03548-10 0010 (SSS) MC CARTHY JOSEPH G. Craniofacial anomalies--Etiology and treatment--Components of syndromes and their classification (human)

P01DE-03548-10 0011 (SSS) MC CARTHY, JOSEPH G. Craniofacial anomalies--Etiology and treatment--Development or growth patterns in craniofacial anomalies (human)

P01DE-03548-10 0012 (SSS) MC CARTHY JOSEPH G. Craniofacial anomalies--Etiology and treatment--Effects of surgical-orthodontic intervention

P01DE-03548-10 0013 (SSS) MC CARTHY JOSEPH G. Craniofacial anomalies--Etiology and treatment--Development of new methods for the study of craniofacial anomalies

R01DE-03579-13 (PC) ROBYT, JOHN F. IOWA STATE UNIVERSITY, DEPT BIOCHEMISTZY & BIOPHYSICS, AMES, IOWA 50011 Biosynthetic study of dental plaque polysaccharides (bacteria)

R01DE-03598-09 (OBM) BAUMRIND, SHELDON. UNIVERSITY OF CALIFORNIA, DEPT OF GROWTH & DEVELOPMENT , SAN FRANCISCO, CALIF 94143 Dentofacial effects of forces to retract the maxilla (human)

R01DE-03601-11 (OBM) MAREK, MIROSLAV I. GEORGIA INST OF TECHNOLOGY, SCHOOL OF CHEMICAL ENGINEERING, ATLANTA, GA 30332 Effect of corrosion on dental amalgams

R01DE-03606-13 (MBC) ANDERSON, DWIGHT L. UNIVERSITY OF MINNESOTA, 18-246 HEALTH SCIENCES UNIT A , MINNEAPOLIS, MINN 55455 Morphogenesis of bacteriophage Phi-29

P01DE-03610-18 (SSS) MOYERS, ROBERT E. UNIVERSITY OF MICHIGAN, 300 N INGALLS, ANN ARBOR, MICH 48109 Craniofacial growth and development

P01DE-03610-18 0016 (SSS) MOYERS, ROBERT E. Craniofacial growth and development--Craniofacial shape change and oral development (human)

P01DE-03610-18 0017 (SSS) BURDI, ALPHONSE R. Craniofacial growth and development--Craniofacial profile patterns in normal and malformed pren

P01DE-03610-18 0018 (SSS) MCNAMARA, JAMES A. Craniofacial growth and development--Function and growth of the temporomandibular joint (monkeys, humans)

R01DE-03658-10 (MGN) AZEN, EDWIN A. UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS 53706 Genetic polymorphisms of saliva (human)

R01DE-03703-08 (OBM) BAUMRIND, SHELDON. UNIVERSITY OF CALIFORNIA, DEPT OF GROWTH AND DEVELOPMENT, SAN FRANCISCO, CALIF 94143 Integrated three-dimensional craniofacial measurement (human)

R01DE-03731-09 (PC) MAYER, ROBERT M. OHIO STATE UNIVERSITY, 140 W 18TH AVENUE, COLUMBUS, OHIO 43210 Studies on the dextran sucrase of Streptococcus sanguis

R01DE-03738-12 (BI) SNYDERMAN, RALPH J. DUKE UNIVERSITY, POST OFFICE BOX 3892, DURHAM, N C 27710 Humoral and cellular mediators of inflammation (human, mammals)

R01DE-03739-12 (OBM) MOOSER, GREGORY. UNIV OF SOUTHERN CALIFORNIA , SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-0641 Glycosyltransferases from oral bacteria

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-03745-13 (OBM) GARANT, PHILIAS R, S U N Y AT STONY BROOK, HEALTH SCIENCE CENTER, STONY BROOK, N Y 11794 Ultrastructure of experimental periodontitis (sheep, rats).

R01DE-03758-10 (OBM) TANZER, JASON M, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ORAL DIAGNOSIS , FARMINGTON, CONN 06032 Virulence and competition against streptococcus mutans (hamsters, mice, rats).

R01DE-03868-09 (BEM) KEGELES, S STEPHEN, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVENUE, FARMINGTON, CONN 06032 Children's acceptance of caries preventive procedures.

R01DE-03915-11 (OBM) HAY, DONALD I, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Tooth-saliva interface phenomena and dental caries (rabbits, goats).

R01DE-03917-09 (OBM) KASHKET, SHELBY, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Fluoride and the metabolism of plaque bacteria.

R01DE-03953-10 (OBM) BURSTONE, CHARLES J, UNIV OF CONNECTICUT HLTH CTR , SCHOOL OF DENTAL MEDICINE, FARMINGTON, CT 06032 Force systems from orthodontic appliances.

R01DE-03987-10 (OBM) GOLUB, LORNE M, SCHOOL OF DENTAL MEDICINE, STATE UNIVERSITY OF NEW YORK , STONY BROOK, NY 11794 Gingival collagen metabolism in health and disease (human, guinea pigs, rats).

R01DE-03995-10 (OBM) TAICHMAN, NORTON S, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria).

R01DE-04008-10 (GMB) CAPLAN, ARNOLD I, CASE WESTERN RESERVE UNIV, DEPARTMENT OF BIOLOGY, CLEVELAND, OHIO 44106 Cellular and developmental control of calcification (chick embryo).

R01DE-04068-10 (EDC) FLEISS, JOSEPH L, COLUMBIA UNIVERSITY, 600 WEST 168TH STREET, NEW YORK, N Y 10032 Statistical methods in dental research.

R01DE-04123-09 (SSS) LE GEROS, RACQUEL Z, NEW YORK UNIVERSITY DENTAL CTR, 339 EAST 25TH ST , NEW YORK, NY 10010 Enamel apatites relating to caries susceptibility (human, animals).

R01DE-04136-10 (OBM) KORAN, ANDREW, III, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Maxillofacial materials--Color study (human).

R01DE-04141-10 (OBM) BOSKEY, ADELE L, HOSPITAL FOR SPECIAL SURGERY , 535 EAST 70TH ST, NEW YORK, N Y 10021 Mechanism of hard tissue mineralization (human, rats).

R01DE-04164-07 (OBM) MUHL, ZANE F, UNIVERSITY OF ILLINOIS, 801 S PAULINA ST, CHICAGO, ILL 60612 Functional properties of rabbit jaw muscles (rabbit).

R01DE-04166-15 (NEUB) GOLDBERG, LOUIS J, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF 90024 Oral pharyngeal reflexes (cats, human).

R01DE-04217-10 (OBM) MC GHEE, JERRY R, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits).

R01DE-04224-10 (GEN) MACRINA, FRANCIS L, VIRGINIA COMMONWEALTH UNIV, BOX 678-MCV STATION, RICHMOND, VA 23298 Studies on the genetics of oral microflora (rats).

R01DE-04226-08 (OBM) NATIELLA, JOSEPH R, S U N Y - AT BUFFALO, ROOM 316 FOSTER HALL, BUFFALO, N Y 14214 Subperiosteal oral implants (monkeys).

R01DE-04227-10 (OBM) MC NAMARA, JAMES A, JR, UNIVERSITY OF MICHIGAN, 1111 E CATHERINE STREET, ANN ARBOR, MICH 48109 Adaptations to changes in masticatory muscle length (monkeys).

R01DE-04235-08 (OBM) THOMAS, EDWIN L, ST JUDE CHILDREN'S RES HOSP , 332 NORTH LAUDERDALE, MEMPHIS TENN 38101 Peroxidase in saliva and prevention of oral disease (human, S mutants).

R01DE-04278-09 (OBM) COWMAN, RICHARD A, VETERANS ADMIN MED CTR, 1201 N W 16 STREET, MIAMI, FLA 33125 Human saliva-streptococcal metabolic interactions.

R01DE-04296-10 (OBM) POLLOCK, JERRY J, S U N Y - AT STONY BROOK, DEPT OF ORAL BIOLOGY/PATHOLOGY, STONY BROOK, N Y 11794 Lysozyme-cell surface interactions and oral defense.

R01DE-04316-08 (CBY) WESTON, JAMES A, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG 97403 Extracellular matrix and morphogenesis in mutant mice (also birds).

R01DE-04321-10 (OBM) MC CABE, MEAD M, UNIVERSITY OF MIAMI, PO BOX 016960, MIAMI, FLA 33101 Cell adherence of dental plaque forming streptococci (rabbits).

R01DE-04327-09 (CP) RODAN, GIDEON A, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVENUE, FARMINGTON, CONN 06032 Mechanical and electrical effects on osteogenesis (rats).

R01DE-04345-09 (OBM) SCHRAER, HARALD, PENNSYLVANIA STATE UNIVERSITY, 517 MUELLER BUILDING, UNIVERSITY PARK, PA 16802 Cell biology of osteoclasts (chickens).

R01DE-04358-08 (BEM) GALE, ELLIOT M, DEPT OF BEHAVIORAL SCIENCE , FARRER HALL, BUFFALO, NY 14214 Treatment of temporomandibular joint pain.

R01DE-04365-09 (OBM) CHOW, LAURENCE C, AMERICAN DENTAL ASSN HLTH FDN, 211 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Mechanism of dental caries (human).

R01DE-04387-08 (OBM) ALLMANN, DAVID W, INDIANA UNIVERSITY, 635 BARNHILL DRIVE, INDIANAPOLIS, IND 46223 Effect of fluoride on cAMP and glucose metabolism (rats).

R01DE-04486-07 (OBM) WEFEL, JAMES S, UNIVERSITY OF IOWA, DOWS INST FOR DENTAL RESEARCH , IOWA CITY, IOWA 52242 Kinetics and mechanisms of action of fluorides (human).

R01DE-04494-07 (BEM) COHAN, NORMAN L, DEPT OF BEHAVIORAL SCIENCE , FARBER HALL, BUFFALO, N Y 14214 Control of stress during dental procedures (human).

R01DE-04511-09 (OBM) TAICHMAN, LORNE B, S U N Y - AT STONY BROOK, DEPT OF ORAL BIOLOGY/PATHOLOGY, STONY BROOK, N Y 11794 Stability of differentiation--Craniofacial study (mice, human, hamsters).

R01DE-04516-06 (OBM) RYGE, GUNNAR, SCHOOL OF DENTISTRY, 2155 WEBSTER ST, SAN FRANCISCO, CALIF 94115 Corrosion and clinical behavior of dental amalgam.

R01DE-04518-08 (OBM) LEVINE, MICHAEL J, S U N Y - AT BUFFALO, 312 CARY HALL, BUFFALO, NY 14214 Streptococcus sanguis receptors for salivary glycoproteins.

R01DE-04529-08 (OBM) HILLMAN, JEFFREY D, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Replacement therapy of dental caries (rats).

R01DE-04531-07 (OBM) HYLANDER, WILLIAM L, DUKE UNIVERSITY MEDICAL CENTER, DEPARTMENT OF ANATOMY, DURHAM, N C 27710 Strain in the facial bones (monkeys).

R01DE-04614-08 (OBM) LILJEMARK, WILLIAM F, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET S E, MINNEAPOLIS, MINN 55455 Adherence of oral streptococci to hydroxyapatite.

R01DE-04622-08 (HED) GOLDMAN, ALLEN S, JOSEPH STOKES, JR RES INST, 34TH STREET & CIVIC CTR BLVD , PHILADELPHIA, PA 19104-4399 Craniofacial anomalies and protein receptors (mice, rats).

R01DE-04629-08 (OBM) KAHN, ARNOLD J, WASHINGTON UNIVERSITY, 4559 SCOTT AVENUE, ST LOUIS, MO 63110 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice).

R01DE-04643-07 (MBC) CHARON, NYLES W, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, MORGANTOWN, W VA 26506 A genetic-biochemical analysis of spirochete motility (mice).

R01DE-04660-09 (OBM) DALE, BEVERLY A, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PERIODONTICS, SEATTLE, WASH 98195 Keratohyalin in keratinization--Oral mucosa and skin (human).

R01DE-04705-05 (OBM) JORDAN, TRUMAN H, CORNELL COLLEGE, MT VERNON, IOWA 52314 Reactions of titanium fluoride with hydroxapatite.

R01DE-04724-06 (GMB) BARON, ROLAND E, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN 06510 Cellular events in bone remodeling of tooth migration (rats).

R01DE-04733-07 (OBM) TAUBMAN, MARTIN A, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Secretory immune response and S mutans glucosyltransferase (mammals).

R01DE-04749-05 (OBM) RAWLS, HENRY R, LOUISIANA STATE UNIVERSITY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 F-releasing and acid barrier-polymer caries therapies.

R01DE-04778-06 (OBM) QUISSELL, DAVID O, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE B-126 , DENVER, COLO 80262 Pharmacology of submandibular gland secretion (rats).

R01DE-04786-07 (CMS) SESSLE, BARRY J, UNIVERSITY OF TORONTO, 124 EDWARD ST, TORONTO, ONT., CANADA M5G 1G6 Dental and orofacial pain--Brain stem mechanisms (cats).

R01DE-04814-05 (OBM) GETTLEMAN, LAWRENCE, GULF SOUTH RESEARCH INST, POST OFFICE BOX 26518, NEW ORLEANS, LA 70186 Clinical evaluation of PNF permanent soft denture liners.

P50DE-04881-08 (DSR) SOCRANSKY, SIGMUND S, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Clinical research in periodontal diseases.

P50DE-04881-08 0001 (DSR) SOCRANSKY, SIGMUND S. Clinical research in periodontal diseases--Diagnosis and treatment of destructive periodontal diseases (human).

P50DE-04881-08 0002 (DSR) SOCRANSKY, SIGMUND S. Clinical research in periodontal diseases--Relationship of subgingival microbiota to the etiology of periodontal diseases.

P50DE-04881-08 0003 (DSR) STASHENKO, PHILIP. Clinical research in periodontal diseases--Host immunologic response to oral microorganisms.

P50DE-04881-08 0004 (DSR) GOODSON, J MAX. Clinical research in periodontal diseases--Relation of inflammation mediators to destructive periodontal diseases (human).

R01DE-04883-07 (OBM) ASGAR, KAMAL, UNIVERSITY OF MICHIGAN, DEPARTMENT OF DENTAL MATERIALS, ANN ARBOR, MICH 48109 Nature of alloy systems for crown and bridge restorations (human).

R01DE-04890-06 (OBM) NYMAN, STURE, UNIVERSITY OF GOTEBORG, DEPT OF PERIODONTOLOGY, S-400 33 GOTEBORG, SWEDEN Systematic plaque control - healing following periodontal surgery (human).

R01DE-04897-04 (OBM) MARTINEZ, J RICARDO, UNIVERSITY OF MISSOURI, DEPT OF CHILD HEALTH, COLUMBIA, MO 65212 Functional development of salivary glands (rats).

P50DE-04898-08 (DSR) GENCO, ROBERT J, SUNY AT BUFFALO, 136 FOSTER HALL, BUFFALO, N Y 14214 Periodontal disease research center

P50DE-04898-08 0001 (DSR) GENCO, ROBERT J. Periodontal disease research center--Microbiology (human).

P50DE-04898-08 0002 (DSR) GENCO, ROBERT J. Periodontal disease research center--Host response in periodontal disease (human).

P50DE-04898-08 0003 (DSR) GENCO, ROBERT J. Periodontal disease research center--Therapy and prevention of periodontal diseases (human).

R01DE-04903-06 (OBM) BYERS, BENJAMIN R, UNIV OF MISSISSIPPI MED CTR , 2500 NORTH STATE STREET, JACKSON, MISS 39216 Trace metal uptake in cariogenic Streptococcus mutans.

R01DE-04942-06 (NEUB) WESTRUM, LESNICK E, UNIVERSITY OF WASHINGTON, DEPT OF NEUROLOGICAL SURGERY , SEATTLE, WASH 98195 Teeth and trigeminal pathways (cats, primates).

R01DE-04960-06 (OBM) DENNY, PAUL C, USC SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-0641 , Mechanisms of salivary gland development (mice, rabbits, rats).

R01DE-04961-06 (OBM) MINKIN, CEDRIC, UNIV OF SOUTHERN CALIFORNIA , SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-0641 Mechanisms of bone resorption in chronic periodontitis (mice).

R01DE-04971-06 (OBM) LEVINE, MICHAEL J, S U N Y AT BUFFALO, 4510 MAIN STREET, BUFFALO, N Y 14226 Structure of functional domains of salivary mucin (human, mammals).

R01DE-05008-06 (MGN) BASSIR, DAVID L, UNIVERSITY OF PENNSYLVANIA, DEPT OF HUMAN GENETICS, PHILADELPHIA, PA 19104 Genetic basis of drug-induced cleft palate (mice, rats).

R01DE-05017-06 (OBM) LINZER, ROSEMARY, STATE UNIVERSITY OF NEW YORK , 3435 MAIN STREET, BUFFALO, NY 14214 Characterization of surface antigens of S-mutans (hamsters, rabbits).

R01DE-05024-06 (OBM) IORIO, ROBERT J, MARQUETTE UNIVERSITY, 604 NORTH 16TH STREET, MILWAUKEE, WIS 53233 Craniofacial abnormalities in mice with vitamin D resistant rickets.

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R01DE-05030-06 (OBM) MATHEW, MATHAI, AMERICAN DENTAL ASSN HLTH FDN, NATIONAL BUREAU OF STANDARDS , WASHINGTON, D C 20234 Crystal chemistry of calcium phosphates (human, rats).

R01DE-05041-06 (HED) GOLDMAN, ALLEN S, CHILDREN'S HOSPITAL, 34TH ST AND CIVIC CENTER BLVD , PHILADELPHIA, PA 19104 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human).

R01DE-05053-05 (OBM) KRISTOL, DAVID S, NEW JERSEY INSTITUTE OF TECH , 323 HIGH STREET, NEWARK, N J 07102 Blocked isocyanates for chemical bonding to dentin.

R01DE-05054-06 (OBM) RANNEY, RICHARD R, VIRGINIA COMMONWEALTH UNIV, 520 N 12TH STREET, RICHMOND, VA 23298 Periodontal disease--Microbiological studies (human).

R01DE-05067-06 (OBM) GRON, POUL, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Interaction of topical fluoride with human enamel (hamsters).

R01DE-05092-06 (OBM) BUTLER, WILLIAM T, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Proteins involved in dentinogenesis.

R01DE-05102-07 (MBC) DOYLE, RONALD J, UNIVERSITY OF LOUISVILLE, LOUISVILLE, KY 40292 Potential anti-caries agents (rats).

R01DE-05123-07 (MBC) HOLT, STANLEY C, UNIVERSITY OF MASSACHUSETTS , DEPARTMENT OF MICROBIOLOGY, AMHERST, MASS 01003 Periodontopathic bacteria--Chemical-biologic nature (rodents).

R01DE-05129-07 (OBM) BOWEN, RAFAEL L, ADA HLTH FDN RESEARCH UNIT , AT NAT'L BUREAU OF STANDARDS , WASHINGTON, D.C. 20234 Improvement of preventive and restorative materials (human).

P01DE-05130-05 (SSS) BONICA, JOHN J, DEPT OF ANESTHESIOLOGY RN-10 , UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195 Dental/orofacial pain--Mechanisms behavior and modulation.

P01DE-05130-05 0005 (SSS) DONG, WILLIE K. Dental/orofacial pain--Mechanisms behavior and modulation--Tooth evoked potentials (Macaca).

P01DE-05130-05 0006 (SSS) DWORKIN, SAMUEL F. Dental/orofacial pain--Mechanisms behavior and modulation--Acute pain in research and clinical settings (human).

P01DE-05130-05 0007 (SSS) CHAPMAN, RICHARD. Dental/orofacial pain--Mechanisms behavior and modulation--Electrical brain activity and orofacial pain in man.

P50DE-05139-07 (DSR) RANNEY, RICHARD R, VIRGINIA COMMONWEALTH UNIV, BOX 566, MCV STATION, RICHMOND, VA 23298 Clinical research center for periodontal disease.

P50DE-05139-07 0001 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Microbiology (human).

P50DE-05139-07 0002 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Immunological investigations (human).

P50DE-05139-07 0003 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Polymorphonuclear leukocyte functions (human).

R01DE-05144-05 (BM) JOHNSON, RUSSELL C, UNIVERSITY OF MINNESOTA, 420 DELAWARE STREET, S E, MINNEAPOLIS, MINN 55455 Periodontal disease--Role of spirochetes (rabbits).

R01DE-05159-06 (OBM) BYERS, MARGARET R, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ANESTHESIOLOGY , SEATTLE, WASH 98195 Distribution and ultrastructure of dental innervation (rats, primates, dogs).

R01DE-05180-06 (OBM) DAMBO-MOORE, LOLITA, TEMPLE UNIVERSITY, DEPT OF MICROBIOLOGY & IMMUNOL, PHILADELPHIA, PA 19140 Composition of S mutans in different growth environments.

R01DE-05190-06 (OBM) MACKENZIE, IAN C, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Factors determining variation in adult oral mucosa (mice, rabbits).

R01DE-05210-05 (GMB) TOVERUD, SVEIN U, UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CENTER, CHAPEL HILL, N C 27514 Acid phosphatases in developing bones and teeth (rabbits, rats).

R01DE-05215-06 (OBM) PROFFIT, WILLIAM R, UNIVERSITY OF NORTH CAROLINA , CHAPEL HILL, NC 27514 Influences on stability following orthognathic surgerya (human).

R01DE-05232-06 (OBM) CARLSON, DAVID S, UNIVERSITY OF MICHIGAN, 4779 MEDICAL SCIENCE II BLDG , ANN ARBOR, MI 48109 Effect of surgical intervention on craniofacial growth (monkeys).

R01DE-05249-05 (OBM) WATSON, EILEEN L, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASHINGTON 98195 Salivary secretion - role of calcium (mice).

R01DE-05251-05 (OBM) KELLER, PATRICIA J, UNIVERSITY OF WASHINGTON, DEPT OF ORAL BIOLOGY SB-22 , SEATTLE, WASH 98195 Salivary gland secretory mechanisms (rats).

R01DE-05253-05 (OBM) BRUDEVOLD, FINN, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Measurements of enamel permeability as related to caries (human).

R01DE-05255-06 (OBM) SAKAMOTO, SEIZABURO, HARVARD SCHOOL OF DENTAL MED , 188 LONGWOOD AVE, BOSTON, MASS 02115 Regulation of collagenase and bone resorption (mice, chick embryo).

R01DE-05262-05 (OBM) ANDERSON, HARRISON C, UNIV OF KANSAS MEDICAL CENTER, RAINBOW BLVD AT 39TH, KANSAS CITY, KS 66103 Mineralization in oral biology (mice, rats).

R01DE-05299-06 (OBM) BAWDEN, JAMES W, DENTAL RESEARCH CENTER 210-H UNIV OF NORTH CAROLINA, CHAPEL HILL, NC 27514 Fluorine ion uptake and binding by early enamel matrix (rats).

R01DE-05305-04 (BEM) MELAMED, BARBARA G, UNIVERSITY OF FLORIDA, BOX J-165, JHMHC, GAINESVILLE, FL 32610 Behavioral approaches to pain responses in pedodontics (children).

R01DE-05321-05 (OBM) GOLDBERG, A JON, UNIVERSITY OF CONNECTICUT, DEPT OF RESTORATIVE DENTISTRY , FARMINGTON, CONN 06032 Titanium alloys in dentistry.

R01DE-05334-04 (OBM) GOODSON, JO MAX, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Periodontal therapy by controlled local drug delivery (human).

R01DE-05354-07 (OBM) CHOW, LAURENCE C, AMERICAN DENTAL ASSN HLTH FDN, NATIONAL BUREAU OF STANDARDS , GAITHERSBURG, MD 20878 Prevention of dental caries (rats, human).

R01DE-05369-06 (NLS) LEVINE, JON D, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, SAN FRANCISCO, CALIF 94143 Factors affecting dental postoperative pain (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-05379-04 (OBM) MOFFETT, BENJAMIN C, JR, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASH 98195 Morphogenesis and maturation of craniofacial sutures (animals).

R01DE-05395-05 (OBM) MACKENZIE, IAN C, UNIVERSITY OF IOWA, ROOM N422A DENTAL SCI BLDG, IOWA CITY, IOWA 52242 Stem cells in oral mucosa (mice).

R01DE-05396-04 (OBM) NANDA, RAVINDRA, UNIVERSITY OF CONNECTICUT, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 Craniofacial adaptations after total maxillary osteotomy (monkeys).

R01DE-05404-06 (OBM) DOSTROVSKY, JONATHAN O, UNIVERSITY OF TORONTO, DEPARTMENT OF PHYSIOLOGY, TORONTO ONTARIO, CANADA Dental pain--Trigeminal nucleus caudalis (cats).

R01DE-05410-05 (OBM) BOOKSTEIN, FRED L, UNIVERSITY OF MICHIGAN, 300 NORTH INGALLS BUILDING, ANN ARBOR, MICH 48109 Orthodontic treatment effects on craniofacial growth (human).

R01DE-05413-05 (GMB) TEITELBAUM, STEVEN L, JEWISH HOSPITAL OF ST LOUIS , DEPARTMENT OF PATHOLOGY, ST LOUIS, MO 63110 Bone resorption in periodontal disease (human, rats, mice).

R01DE-05418-05 (OBM) BRUNSKI, JOHN B, RENSSELAER POLYTECHNIC INSTITU, DEPT OF BIOMEDICAL ENGINEERING, TROY, N Y 12181 In vivo forces on endosseous dental implants (dogs).

R01DE-05422-05 (OBM) O'BRIEN, WILLIAM J, UNIVERSITY OF MICHIGAN, SCHOOL OF DENTISTRY, ANN ARBOR, MICH 48109 Diffuse reflectance by esthetic dental materials.

R01DE-05429-04 (OBM) CLARK, WILLIAM B, UNIVERSITY OF FLORIDA, BOX J-424, JHMHC, GAINESVILLE, FLA 32610 Adherence of periodontal disease-associated bacteria.

R01DE-05460-04 (OBM) PASK, JOSEPH A, UNIVERSITY OF CALIFORNIA, DEPT OF MATERIALS SCI MIN ENGR, BERKELEY, CALIF 94720 Bonding of dental porcelain to non-precious alloys.

R01DE-05494-05 (OBM) PABST, MICHAEL J, NATL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO 80206 Activation of macrophages in periodontal disease (mice).

R01DE-05505-05 (OBM) PARK, BYUNG H, CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N Y 14222 Periodontitis and host defense in juvenile diabetes (human).

R01DE-05519-05 (OBM) BARAN, GEORGE R, TEMPLE UNIVERSITY, DEPT OF OPERATIVE DENTISTRY , PHILADELPHIA, PA 19140 Oxidation behavior of Ni-base crown and bridge alloys.

R01DE-05530-04 (OBM) GREENE, ROBERT M, JEFFERSON MEDICAL COLLEGE, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA 19107 Differentiation during craniofacial embryogenesis (mice).

R01DE-05538-04 (OBM) MILLER, ARTHUR J, UNIVERSITY OF CALIFORNIA, 747 MEDICAL SCIENCES BLDG., SAN FRANCISCO, CALIF 94143 Sensory alterations of craniofacial form (monkeys).

R01DE-05563-04 (OBM) SCHNITMAN, PAUL A, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS 02115 The blade implant--Clinical efficacy and safety (human).

R01DE-05574-04 (OBM) ALLEY, KEITH E, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OHIO 44106 Neural aspects of craniofacial morphogenesis (frogs).

R01DE-05586-04 (OBM) GARANT, PHILIAS R, S U N Y - AT STONY BROOK, ORAL BIOLOGY & PATHOLOGY DEPT , STONY BROOK, N Y 11794 Cell surface studies of the enamel organ (mice).

R01DE-05597-03 (MBC) REUSCH, VICTOR M, JR, UNIVERSITY OF DENVER, DEPARTMENT OF BIOLOGICAL SCIS , DENVER, COLO 80208 Lipopolymers and Streptococcus sanguis wall assembly.

R01DE-05605-04 (OBM) KIM, SYNGCUK, COLUMBIA UNIVERSITY, 630 W 168TH ST, NEW YORK, N Y 10032 The humoral regulation of pulp circulation (rats, dogs).

R01DE-05606-04 (BM) FIVES-TAYLOR, PAULA M, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT 05405 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits).

R01DE-05616-06 (CBY) MEIER, STEPHEN P, UNIVERSITY OF TEXAS, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX 78712 Matrix-cell interaction in craniofacial development (chick and quail embryos).

R01DE-05622-03 (BEM) SADOWSKY, DONALD, ALBERT EINSTEIN COLL OF MED , ROOM 3N34, JACOBI HOSPITAL, BRONX, NY 10461 Rx for dental patients at risk for endocarditis (dentists).

R01DE-05623-03 (OBM) HAUSMANN, ERNEST, SUNY AT BUFFALO, 320 FOSTER HALL, BUFFALO, N Y 14214 Bacterial products and bone metabolism (rats).

R01DE-05636-04 (OBM) SCHENKEIN, HARVEY A, MEDICAL COLLEGE OF VIRGINIA , BOX 566 MCV STATION, RICHMOND, VA 23298 Role of complement in periodontal disease.

R01DE-05638-05 (MTN) CERKLEWSKI, FLORIAN L, OREGON STATE UNIVERSITY, COLLEGE OF HOME ECONOMICS, CORVALLIS, OR 97331-5103 Interaction between fluoride and other dietary minerals (rats).

R01DE-05650-04 (CBY) ERICKSON, CAROL A, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, DAVIS, CALIF 95616 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice).

R01DE-05632-04 (OBM) CUTLER, LESLIE S, UNIVERSITY OF CONNECTICUT SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 Development of salivary gland secretory function (rats).

R01DE-05640-04 (OBM) HAMMOND, BENJAMIN F, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Cytotoxicity of periodontopathic bacteria (mice, rabbits).

R01DE-05659-03 (OBM) DELFINO, JOHN J, WASHINGTON UNIVERSITY, DEPT--ORAL-MAXILLOFACIAL SURG , ST LOUIS, MO 63110 Surgical and radiographic evaluation of the temporomandibular joint (human).

R01DE-05666-04 (OBM) SLOMIANY, BRONISLAW L, NEW YORK MEDICAL COLLEGE, 1900 SECOND AVE, HOSP CTR, NEW YORK, N Y 10029 Biochemistry of salivary lipids (rats, human).

R01DE-05669-04 (OBM) POTTER, ROSARIO M, INDIANA UNIV SCH OF DENTISTRY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND 46202 Chorion type and dental morphology in twins (human).

R01DE-05672-02 (SSS) OPPENHEIM, FRANK G, BOSTON UNIVERSITY, 100 EAST NEWTON STREET, BOSTON, MASS 02118 Anionic salivary proteins in dental integuments (Macaca fascicularis).

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R01DE-05695-03 (OBM) FALKLER, WILLIAM A JR, UNIVERSITY OF MARYLAND, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Immunopathologic study of dental pulpitis.

R01DE-05696-04 (OBM) STINSON, MURRAY W, S U N Y - AT BUFFALO, DEPARTMENT OF MICROBIOLOGY, BUFFALO, N Y 14214 Streptococcus mutans interaction with animal tissue (human, rabbits).

R01DE-05738-04 (OBM) CROMPTON, ALFRED W, HARVARD UNIVERSITY, MUSEUM OF COMPARATIVE ZOOLOGY , CAMBRIDGE, MASS 02138 Mastication, food transport, and swallowing in primates (cats, monkeys).

R01DE-05739-03 (OBM) CLARKSON, BRIAN H, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Fluoride redistribution during in vitro caries formation (human).

R01DE-05744-04 (BBM) KIYAK, H ASUMAN, UNIVERSITY OF WASHINGTON, DEPT OF COMMUNITY DENTISTRY , SEATTLE, WASH 98195 Psychosocial factors in orthognathic surgery (human).

R01DE-05761-05 (OBM) STANFORD, JOHN W, AMERICAN DENTAL ASSN HLTH FDN, 211 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Improved dental instruments and materials.

R01DE-05764-05 (CP) PUTNEY, JAMES W, JR, MED COLL OF VIRGINIA, V C U , DEPARTMENT OF PHARMACOLOGY, RICHMOND, VA 23298 Cellular pharmacology of salivary secretion (rats, ducks).

R01DE-05766-03 (OBM) ALBO, JOSEPH J, TEMPLE UNIV SCH. OF DENTISTRY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA 19140 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts).

R01DE-05769-06 (SSS) REITH, EDWARD J, 3223 NORTH BROAD STREET, PHILADELPHIA, PA 19140 Ultrastructure of tooth development (rats).

R01DE-05790-03 (OBM) DEUTSCH, DAN, HEBREW UNIVERSITY, DEPT OF ORAL BIOLOGY, JERUSALEM, ISRAEL Development and mineralization of enamel in teeth.

R23DE-05793-03 (PBC) NELSETH, DONALD L, JR, NORTHWESTERN UNIVERSITY 303 E CHICAGO AVENUE, CHICAGO, ILL 60611 Degradation of collagen in inflammation (human).

R01DE-05817-04 (OBM) BIRKEDAL-HANSEN, HENNING, UNIV OF ALABAMA IN BIRMINGHAM, SCHOOL OF DENTISTRY, BIRMINGHAM, ALA 35294 Cellular mechanisms of collagen breakdown (human, animals).

R23DE-05827-03 (OBM) WATLER, ALAN H, HARVARD SCHOOL OF DENTAL MED , 188 LONGWOOD AVENUE, BOSTON, MASS 02115 Modifying effects of saliva and age on taste perception.

P01DE-05837-04 (SSS) MORRIS, HUGHLETT L, UNIVERSITY OF IOWA, DEPARTMENT OF OTOLARYNGOLOGY , IOWA CITY, IOWA 52242 Growth, surgical, and speech aspects of cleft palate.

P01DE-05837-04 0001 (SSS) MORRIS, HUGHLETT L. Growth, surgical, and speech aspects of cleft palate--Speech pathology (human).

P01DE-05837-04 0002 (SSS) MORRIS, HUGHLETT L. Growth, surgical, and speech aspects of cleft palate--Maxillofacial growth (dogs).

P01DE-05837-04 0003 (SSS) MORRIS, HUGHLETT L. Growth, surgical, and speech aspects of cleft palate--Speech physiology (human).

P01DE-05837-04 0004 (SSS) MORRIS, HUGHLETT L. Growth, surgical, and speech aspects of cleft palate--Cleft lip and palate surgery (human, animals).

P01DE-05837-04 0005 (SSS) RICHMAN, L C. Growth, surgical, and speech aspects of cleft palate--Psychoeducation project (human).

R01DE-05838-05 (CBY) TOOLE, BRYAN P, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MA 02111 Morphogenetic role of glycosaminoglycans (chick embryo).

R01DE-05839-02 (OBM) PHILLIPS, RALPH W, INDIANA UNIVERSITY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND 46202 In vivo vs in vitro cement solubility--Correlative study.

R01DE-05843-03 (RAD) GIBBS, S JULIAN, VANDERBILT UNIVERSITY, DEPT OF RAD AND RADIOL SCIS , NASHVILLE, TENN 37232 Patient radiation doses and risks from dental x-ray.

R01DE-05844-03 (RAD) PUJOL, ALFONSO, JR, UNIVERSITY OF TENNESSEE, DEPARTMENT OF ENGINEERING, TULLAHOMA, TENN 37388-8897 Patient radiation doses and risks from dental x-ray.

R01DE-05861-03 (HBD) WATERMAN, ROBERT E, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF ANATOMY, ALBUQUERQUE, N MEX 87131 Epithelial fusions during craniofacial development (chicks, frogs and hamsters).

R01DE-05890-03 (SSS) LOZADA, FRANCINA, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, SAN FRANCISCO, CALIF 94143 Prednisone efficacy in oral inflammatory disease (human).

R23DE-05893-03 (OBM) TABAK, LAWRENCE A, SUNY AT BUFFALO, 213 FOSTER HALL, BUFFALO, N Y 14214 Structural modulation of enamel pellicle formation.

R01DE-05895-03 (OBM) BROWN, ARTHUR C, OREGON HEALTH SCIENCES UNIV , DEPT OF PHYSIOLOGY & BIOPHYSIC, PORTLAND, OREG 97201 Tooth sensation (human).

R01DE-05905-03 (OBM) HERRING, SUSAN W, UNIVERSITY OF ILLINOIS, 801 SOUTH PAULINA STREET, CHICAGO, ILL 60612 Neural organization of a complex muscle (swine).

R01DE-05913-03 (BBM) WEINSTEIN, PHILIP, UNIVERSITY OF WASHINGTON, DEPT OF COMMUNITY DENTISTRY , SEATTLE, WASH 98195 Experiments in management of fearful children (human).

R01DE-05916-03 (OBM) CLEWELL, DON B, UNIVERSITY OF MICHIGAN, SCHOOL OF DENTISTRY, ANN ARBOR, MICH 48109 Streptococcal cell surface polymers and adherence (rabbits).

R23DE-05929-03 (OBM) BURNS, JAMES C, VIRGINIA COMMONWEALTH UNIV, DEPARTMENT OF ORAL PATHOLOGY , RICHMOND, VA 23298 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice).

R01DE-05932-04 (OBM) BOYAN-SALYERS, BARBARA D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Role of lipoproteins in microbial calcification.

R01DE-05937-04 (ORTH) BOYAN-SALYERS, BARBARA D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken).

R01DE-05940-03 (OBM) GERMAN, RANDALL M, RENSSELAER POLYTECHNIC INST , TROY, N Y 12181 Chemical stability of low nobility dental alloys.

R01DE-05945-03 (OBM) STUPP, SAMUEL I, UNIV OF ILLINOIS URBANA-CHAMPA, 105 SOUTH GOODWIN AVENUE, URBANA, IL 61801-2995 Physicochemical modifications of dental restoratives.

R01DE-05953-03 (OBM) BLEK, J DAVID, ORAL ROBERTS UNIVERSITY, 7777 SOUTH LEWIS, TULSA, OKLA 74171 Comparison of clinical evaluation methods for amalgam (human).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R23DE-05953-03 (OBM) LAMSTER, IRA B, FAIRLEIGH DICKINSON UNIVERSITY, 110 FULLER PLACE, HACKENSACK, N J 07601 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h.

R01DE-05956-04 (BIO) WAITE, JOHN H, UNIVERSITY OF CONNECTICUT, DIVISION OF ORTHOPAEDICS FARMINGTON, CONN 06032 The adhesive of Mytilus byssus.

R01DE-05966-03 (NBC) JACOBSON, GARY R, 2 CUMMINGTON STREET, BOSTON, MASS 02215 Mechanisms of sugar transport in Streptococcus mutans.

R23DE-05969-03 (OBM) CRALL, JAMES J, UNIVERSITY OF IOWA, DEPARTMENT OF PEDODONTICS, IOWA CITY, IOWA 52242 Effect of single and multiple applications of fluoride (human).

R01DE-05978-02 (OBM) ALAM, SYED Q, LSU MEDICAL CENTER, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Lipid nutrition, membrane fluidity and enzymes (rats).

R01DE-05980-01 (OBM) CRAIG, ROBERT G, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Stress analysis of mandibular partial dentures.

R01DE-05989-03 (BBM) DOHRENWEND, BRUCE P, COLUMBIA UNIVERSITY, 100 HAVEN AVENUE, NEW YORK, NEW YORK 10032 Myofascial pain-dysfunction syndrome and life stress (human).

R01DE-05990-01 (OBM) BRIDGES, RAYMOND B, UNIV OF KENTUCKY MED CTR, DEPARTMENT OF ORAL BIOLOGY, LEXINGTON, KY 40536 Periodontitis, leukocyte function and diabetic status (human).

R01DE-05991-04 (OBM) BIRDSELL, DALE C, UNIVERSITY OF WASHINGTON, DEPT OF ORAL BIOLOGY HSB SB-22, SEATTLE, WASH 98195 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice).

R01DE-05999-02 (NTN) ALVARES, OHAV P, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEXAS 78284 The role of nutrition in oral health (rats).

R01DE-06000-04 (OBM) JOHNSON, DORTHEA A, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Effect of parotid function on saliva and cells (rats).

R01DE-06007-02 (OBM) MILLER, SCOTT C, UNIVERSITY OF UTAH, DEPARTMENT OF RADIOBIOLOGY, SALT LAKE CITY, UTAH 84112 Periodontal tissue changes during pregnancy-lactation (rats).

R01DE-06008-03 (OBM) HURLEY, THOMAS W, UNIV OF MISSOURI SCH OF MED , ONE HOSPITAL DRIVE, COLUMBIA, MO 65212 Phosphodiesterases, cGMP and salivary secretion (rats).

R23DE-06014-03 (OBM) SHENKER, BRUCE J, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET A-1, PHILADELPHIA, PA 19104 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits).

R23DE-06027-03 (OBM) CAPRA, NORMAN F, UNIVERSITY MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MISS 39216 Kinesthetic mechanisms in the trigeminal system (cats).

R01DE-06028-01 (OBM) BIRKEDAL-HANSEN, HENNING, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats).

R01DE-06030-03 (OBM) LOESCHE, WALTER J, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Metronidazole therapy in periodontal disease (human).

R01DE-06031-02 (MBC) SELANDER, ROBERT K, UNIVERSITY OF ROCHESTER, RIVER STATION, ROCHESTER, N Y 14627 Population genetics of the Streptoccus mutans complex (human).

R23DE-06032-03 (OBM) KRIBBS, PATRICIA J, DEPT OF PROSTHODONTICS SM52 , UNIVERSITY OF WASHINGTON, SEATTLE, WASH 98195 Osteoporosis and oral changes in older women.

R01DE-06039-02 (ORM) EHRLICH, JULIAN, UNIV OF MED/DENT OF NEW JERSEY, NEW JERSEY DENTAL SCHOOL, NEWARK, N J 07103 Properties of lipoteichoic acids from cariogenic bacteria.

R23DE-06040-03 (OBM) MANDELLA, ROSEMARY D, FAIRLEIGH DICKINSON UNIVERSITY, 110 FULLER PLACE, HACKENSACK, N J 07601 Polyamines and palatal development (rabbits).

R01DE-06043-03 (OBM) LEVIN, LESLIE S, JOHNS HOPKINS HOSPITAL, 600 NORTH WOLFE STREET, BALTIMORE, MD 21205 Congenitally missing teeth (human).

R01DE-06051-03 (OBM) BLEIWEIS, ARNOLD S, UNIVERSITY OF FLORIDA, DEPT OF MICROBIOLOGY/CELL SCIS, GAINESVILLE, FLA 32611 Membranes of the dental pathogen Streptococcus mutans (rabbits).

R01DE-06065-04 (GMB) SCHNEIDER, GARY B, LOYOLA UNIVERSITY, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL 60153 The role of lymphoid cells in alveolar bone resorption (rats).

R23DE-06066-02 (OBM) COX, DONALD S, S U N Y - AT STONY BROOK, DEPARTMENT OF PERIODONTICS, STONY BROOK, N Y 11794 Orally induced suppression in periodontal disease (rabbits, rats).

R23DE-06068-03 (OBM) BROWN, THOMAS A, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human).

R01DE-06069-02 (EDC) CHUNG, CHIN S, UNIVERSITY OF HAWAII AT MANOA, 1960 EAST-WEST ROAD, HONOLULU, HAWAII 96822 A genetic study of cleft lip and cleft palate in Hawaii.

R01DE-06071-01 (NBC) ROSEN, BARRY P, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD 21201 Calcium metabolism in Streptococcus mutans.

R23DE-06073-03 (OBM) PARKS, LAWRENCE C, UNIVERSITY OF LOUISVILLE, DEPT OF MICROBIO/IMMUNOLOGY , LOUISVILLE, KY 40292 Interaction of salivary components and S mutans.

R01DE-06076-02 (OBM) CHEN, SOW-YEH, TEMPLE UNIVERSITY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA 19140 Pathobiology of oral mucosa (rabbits).

R01DE-06082-02 (OBM) PERRY, DENNIS, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVE, CHICAGO, ILL 60611 Genetic analysis of streptococcus mutans cariogenicity.

R01DE-06085-02 (SSS) LISTGARTEN, MAX A, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Interaction of oral spirochetes with periodontal tissues (human, rats).

R23DE-06091-02 (OBM) FEIGAL, ROBERT J, HS UNIT A 6-150, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MN 55455 Primary human cells--A model for materials testing (tissue culture).

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-06103-02 (OBM) KALDAHL, WAYNE B, UNMC COLLEGE OF DENTISTRY, 40TH & HOLDREGE, LINCOLN, NE 68583-0740 Evaluation of four modalities of periodontal therapy.

R01DE-06105-02 (OBM) KATZ, SIMON, ORAL HLTH RESEARCH INSTITUTE , 415 LANSING STREET, INDIANAPOLIS, IND 46202 Using fluoride-chlorhexidine to prevent radiation caries (human).

R01DE-06108-03 (HED) ERICKSON, ROBERT P, UNIVERSITY OF MICHIGAN, 1137 EAST CATHERINE STREET, ANN ARBOR, MICH 48109 Pathogenesis of teratogen/induced facial clefts (mice).

R01DE-06112-04 (OBM) MERTZ-FAIRHURST, EVA J, MEDICAL COLLEGE OF GEORGIA, 1120 FIFTEENTH STREET, AUGUSTA, GA 30912 Filled sealant as a conservative restorative material (human).

R01DE-06113-04 (OBM) WHITFORD, GARY M, MEDICAL COLLEGE OF GEORGIA, DEPT OF ORAL BIOLOGY, AUGUSTA, GA 30912 Determinants of fluoride in the oral environment (dogs, rats).

R01DE-06115-01 (OBM) DOWD, FRANK J, CREIGHTON UNIVERSITY, 2500 CALIFORNIA STREET, OMAHA, NEBR 68178 Protein phosphorylation in parotid gland secretion (rabbits).

R23DE-06118-02 (OBM) BLAUSTEIN, DAVID I, UNIVERSITY OF ILLINOIS, P O BOX 6998, CHICAGO, ILL 60680 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits).

R01DE-06120-03 (OBM) MACKENZIE, IAN C, UNIVERSITY OF IOWA, DOWS INST FOR DENTAL RES, IOWA CITY, IOWA 52242 Proliferation of mucosal and skin keratinocytes in vitro (mice).

R01DE-06127-02 (OBM) MARQUIS, ROBERT E, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Acid-base physiology of oral streptococci.

RC1DE-06129-01 (BMP) PIETRZYK, DONALD J, DEPT OF CHEMISTRY, UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Synthesis-testing of a herpesvirus antiviral agent.

R23DE-06130-03 (OBM) HURLEY, THOMAS W, UNIVERSITY OF MISSOURI, 807 STADIUM ROAD, COLUMBIA, MO 65212 Calmodulin and submandibular gland secretion (rats).

R01DE-06137-02 (OBM) GARNICK, JERRY J, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Mechanical properties of gingiva to resist probing (dogs).

R01DE-06153-03 (OBM) SMITH, DANIEL J, DEPARTMENT OF IMMUNOLOGY, 140 FENWAY, BOSTON, MASS 02115 Antibody to glucosyltransferase in adults and children (human).

R01DE-06154-02 (BSM) ALBINO, JUDITH E, DEPARTMENT OF BEHAVIORAL SCIS, 246C FARBER HALL, BUFFALO, N Y 14214 Effects of orthodontia on psychosocial functioning (human).

R23DE-06157-02 (OBM) AKER, FRANKLIN D, TEMPLE UNIVERSITY, 3223 NORTH BROAD ST, PHILADELPHIA, PA 19140 Innervation of the tooth (rats).

R01DE-06159-03 (PC) SCHLESINGER, DAVID H, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N Y 10016 Protein inhibitors of calcium phosphate precipitation (human, mammals).

R01DE-06160-02 (OBM) BERKOWITZ, ROBERT J, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OHIO 44106 Maternal transmission of streptococcus mutans (human).

R01DE-06165-02 (OBM) CHO, MOON I, SUNY AT STONY BROOK, DEPT OF ORAL BIOLOGY, STONY BROOK, N Y 11794 Cell biology of periodontal ligament fibroblast.

R01DE-06170-02 (OBM) RAWLS, HENRY R, LOUISIANA STATE UNIVERSITY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Radiopaque restorative and prosthetic dental resins.

R23DE-06174-01 (OBM) ANDERSON, LEIGH C, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASH 98195 Insulin and protein synthesis in the rat gland.

R01DE-06175-02 (OBM) WALKER, CLAY B, UNIVERSITY OF FLORIDA, COLLEGE OF DENTISTRY, GAINESVILLE, FL 32610 Beta-lactamases produced by periodontal bacteria.

R01DE-06179-02 (OBM) CABASSO, ISRAEL, STATE UNIVERSITY OF NEW YORK , SYRACUSE CAMPUS, SYRACUSE, N Y 13210 Radiopaque restorative and prosthetic dental resins.

R01DE-06180-01 (OBM) SCHNEYER, CHARLOTTE A, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Sympathectomized salivary glands--Cystic fibrosis model (rats).

R01DE-06192-02 (NEUB) CHANDLER, SCOTT H, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF 90024 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs).

R23DE-06207-02 (BBM) SCHUBOT, DAVID B, CWRU SCHOOL OF DENTISTRY, 2123 ABINGTON ROAD, CLEVELAND, OHIO 44106 Patient response to student dentists affective behavior.

R23DE-06208-01 (BBM) CHAPKO, MICHAEL K, UNIVERSITY OF WASHINGTON, DEPT / COMMUNITY DENTISTRY, SEATTLE, WASH 98195 Preventive services adoption in private dental practices.

R23DE-06215-03 (OBM) LAUGHON, BARBARA E, JOHNS HOPKINS HOSPITAL, 600 NORTH WOLFE, BALTIMORE, MD 21205 Proteolytic activity of oral sprochetes and bacteroides (human).

R01DE-06216-02 (OBM) JOHNSTON, MALCOLM C, UNIVERSITY OF NORTH CAROLINA , SCHOOL OF DENTISTRY, CHAPEL HILL, NC 27514 Gene-environment interactions in cleft lip mice (monkeys).

R01DE3-06219-03 (BBM) DWORKIN, SAMUEL F, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ORAL MEDICINE , SEATTLE, WASH 98195 Facial behavior related to acute dental pain (human).

R23DE-06222-03 (OBM) THIBODEAU, EDWARD A, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER NY 14642 Weak acid inhibition of oral bacteria (human).

R01DE-06225-02 (OBM) SHUR, BARRY D, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ANATOMY, FARMINGTON, CONN 06032 Cell-substrate interaction in craniofacial morphogenesis.

R23DE-06230-02 (EVR) CARADONNA, SALVATORE J, LOUISIANA STATE UNIVERSITY, 1901 PERDIDO STREET, NEW ORLEANS, LA 70112 New targets for anti-herpes simplex virus chemotherapy (rabbits).

R01DE-06231-02 (OBM) MC ARTHUR, WILLIAM P, UNIVERSITY OF FLORIDA, BOX J-424, GAINESVILLE, FLA 32610 Monoclonal antibody analysis of plaque microorganisms (mice).

R23DE-06243-02 (HED) NICHOLS, DAVID H, CREIGHTON UNIVERSITY, DEPARTMENT OF ANATOMY, OMAHA, NEB 68178 The extracellular matrix in neural crest formation (mice, chick, rat).

R01DE-06250-02 (OBM) BOWERS, GERALD M, UNIVERSITY OF MARYLAND, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Histologic evaluation of new attachments in humans.

R03DE-06263-01 (DSR) TANZER, FRANCIS S, UNIVERSITY OF TENNESSEE, COLLEGE OF DENTISTRY, MEMPHIS, TENN 38163 Enkephalin-prostaglandin interactions in tooth pulp (dogs).

R03DE-06264-01 (DSR) KLEINKNECHT, RONALD A, WESTERN WASHINGTON UNIVERSITY, BELLINGHAM, WA 98225 Prevalence and psychosocial correlates of orofacial pain.

R03DE-06272-01 (DSR) PAULSON, RUTH B, OHIO STATE UNIVERSITY, 305 WEST 12TH AVENUE, COLUMBUS, OH 43210 Oxygen and sodium valproate induced craniofacial defects (mice).

R03DE-06273-02 (DSR) COFFEY, JAMES C, JR, UNIV OF NORTH CAROLINA, DENTAL RES CENTER 210-H, CHAPEL HILL, N C 27514 Cleft palate susceptibility linked to monooxygenase activity (mice).

R01DE-06294-03 (BEM) HIRSCHMAN, RICHARD, KENT STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, KENT, OHIO 44242 Effects of physiological feedback on dental fear (human).

R03DE-06298-02 (DSR) KOLLAR, EDWARD J, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ORAL BIOLOGY, FARMINGTON, CT 06032 Oral and skin defects in pupoid fetus (pf/pf) mice.

R03DE-06339-03 (DSR) COX, DONALD S, S U N Y - AT STONY BROOK, DEPARTMENT OF PERIODONTICS, STONY BROOK, N Y 11794 Immunoglobulin A affinity at a secretory site (rats).

R03DE-06364-02 (DSR) GREGORY, STEPHEN H, MARQUETTE UNIVERSITY, 604 NORTH 16TH STREET, MILWAUKEE, WIS 53233 Endotoxin-macrophage cell interaction in bone resorption (mice).

R01DE-06373-02 (OBM) IZUTSU, KENNETH T, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ORAL BIOLOGY, SEATTLE, WASH 98195 Saliva formation studied by microprobe analysis (rats).

R01DE-06374-03 (OBM) FAIRHURST, CARL W, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Semi- and nonprecious metal-porcelain systems.

R01DE-06379-02 (OBM) GRATT, BARTON M, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF 90024 Dental xeroradiography--Clinical investigation.

R01DE-06395-02 (OBM) ROSAN, BURTON, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PENN 19104 Molecular basis of the ecology of oral streptococci.

R01DE-06397-02 (OBM) GREENE, ROBERT M, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA 19107 Biochemical aspects of orofacial development.

R01DE-06402-02 (OBM) CLARKSON, BRIAN H, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Root caries--An in vitro model system.

R01DE-06409-02 (OBM) GETTLEMAN, LAWRENCE, GULF SOUTH RESEARCH INSTITUTE, 5010 LEROY JOHNSON DRIVE, NEW ORLEANS, LA 70126 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human).

R01DE-06417-01 (BEM) WEINSTEIN, PHILIP, COMMUNITY DENTISTRY SM-35, B-509 HEALTH SCIENCES CENTER , SEATTLE, WASH 98195 Factors influencing long-term oral self-care (human).

R01DE-06418-02 (OBM) LEVERETT, DENNIS H, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Laboratory and clinical studies of dental fluorosis.

R01DE-06420-02 (OBM) HARTMANN, ERNEST L, LEMUEL SHATTUCK HOSPITAL, 170 MORTON STREET, JAMAICA PLAIN, MASS 02130 Alcohol effects on bruxism (nocturnal tooth grinding).

R01DE-06425-01 (OBM) SLAVKIN, HAROLD C, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK MC 0191, LOS ANGELES, CA 90089-0191 Nutritional studies of tooth development in vitro (mice, rats).

R01DE-06426-02 (OBM) VAN DER SPIEGEL, JAN, UNIVERSITY OF PENNSYLVANIA, 200 S 33RD STREET, PHILADELPHIA, PA 19104 Intra-oral telemetry of plaque pH and calcium (human).

R01DE-06427-03 (OBM) PASHLEY, DAVID H, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Permeability characteristics of dentin (dogs, human).

R01DE-06429-03 (OBM) WHITFORD, GARY M, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA 30912 Influence of acid-base status on fluoride metabolism (mammals).

R23DE-06436-03 (OBM) VAN DYKE, THOMAS E, EMORY UNIVERSITY, 1462 CLIFTON ROAD, NE, ATLANTA, GA 30322 Periodontosis--Characterization of the neutrophil defect (human).

R01DE-06437-02 (EDC) BECK, JAMES D, UNIVERSITY OF IOWA, DEPT OF PREVENTIVE & COMM DENT, IOWA CITY, IA 52242 Incidence and prevalence of root caries in the elderly (human).

R03DE-06438-02 (DSR) GABLER, WALTER L, OREGON HEALTH SCIS UNIVERSITY, 611 S W CAMPUS DRIVE, PORTLAND, ORE 97201 Effect of fluoride on neutrophil functions (human).

R03DE-06446-01 (DSR) RAMEY, DON M, UNIV OF TEXAS HLTH SCI CENTER, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits).

R23DE-06448-02 (CBY) NIEDERMAN, RICHARD, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS 02114 Polymorphonuclear leukocyte function in wound healing (rabbits).

R03DE-06453-02 (DSR) KRYWOLAP, GEORGE N, UNIVERSITY OF MARYLAND, 666 W BALTIMORE STREET, BALTIMORE, MD 21201 Detection of B gingivalis in plaque by ELISA procedure (human, mammals).

R03DE-06456-01 (DSR) GARLAPO, DAVIS A, SUNY AT BUFFALO, 240 FARBER HALL, BUFFALO, N Y 14214 Sterilization effectiveness using glow discharge methods.

R03DE-06465-02 (DSR) ELLIS, EDWARD, III, UNIVERSITY OF MICHIGAN, DEPT ORAL/MAXILLOFACIAL SURG , ANN ARBOR, MICH 48109 Effect of vital apicoectomy on the dental tissues (monkeys).

R03DE-06466-02 (DSR) RETIEF, DANIEL H, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Clinical study of composite resin-tooth interface.

R03DE-06[illegible]3-02 (DSR) BARNETT, JOHN M, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS 39216 Automated immunofluorescent speciation of oral bacteria (rabbits).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-06485-02 (OBM) STOTT, GEORGE G, TEXAS A&M UNIVERSITY, DEPT OF VETERINARY ANATOMY, COLLEGE STATION, TEX 77843 Cemental annulation--Aging in forensic dentistry (human).

R03DE-06486-02 (DSR) DUKE, PAULINE J, UNIVERSITY OF TEXAS, P O BOX 20068, HOUSTON, TEX 77225 Microsphere binding to palatal glycoproteins.

R03DE-06489-01 (DSR) KLEIN, ROBERT M, KANSAS COLLEGE HLTH SCIS/HOSP, 39TH & RAINBOW BLVD, KANSAS CITY, KANS 66103 Autonomic receptor localization in salivary glands (rats).

R03DE-06500-02 (DSR) BUSCH, KENNETH L, INDIANA UNIVERSITY, DEPT OF CHEMISTRY, BLOOMINGTON, IND 47405 Raman spectroscopic studies of dental amalgam corrosion.

R03DE-06505-02 (DSR) BUCHANAN, JUDITH A, UMC SCHOOL OF DENTISTRY, 2500 NORTH STATE STREET, JACKSON, MS 39216 Phenytoin-induced nuclear alterations in fibroblasts.

R01DE-06511-02 (OBM) HARPER, JEFFREY F, UNIVERSITY OF TEXAS, P O BOX 20708, HOUSTON, TEX 77025 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats).

R01DE-06514-03 (DSR) GENCO, ROBERT J, SUNY AT BUFFALO, 136 FOSTER HALL, BUFFALO, N Y 14214 Periodontal diseases and diabetes in the Gila River Indian Community.

R01DE-06516-02 (OBM) PETERSON, DOUGLAS E, UNIVERSITY OF MARYLAND, 666 W BALTIMORE STREET, BALTIMORE, MD 21201 Oral infection in myelosuppressed cancer patients.

R23DE-06522-02 (OBM) BOYER, E MARCIA, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Schooling and work setting--Effects on dental hygienists.

R23DE-06524-01 (OBM) ALLEN, CARL M, OHIO STATE UNIVERSITY, 305 WEST 12TH AVE, COLUMBUS, OHIO 43210 The pathogenesis of chronic oral candidiasis in the rat.

R01DE-06528-02 (OBM) RHOADES, ROBERT W, UNIV OF MED/DENT OF NEW JERSEY, P O BOX 55, PISCATAWAY, N J 08854 Trigeminal primary afferent organization and development (rats).

R01DE-06533-02 (OBM) GOLUB, ELLIS E, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Vesicles and endochondral bone formation (chickens).

R01DE-06541-02 (OBM) MAGUIRE, JAMES H, UNIV OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, NC 27514 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human).

R03DE-06544-01 (DSR) DOCHERTY, JOHN J, PENNSYLVANIA STATE UNIVERSITY, 101 SOUTH FREAR LABORATORY, UNIVERSITY PARK, PA 16802 Incidence of herpes simplex virus type 2 in oral lesions (human).

R23DE-06546-01 (BBM) MOSS, ROBERT A, UNIVERSITY OF MISSISSIPPI, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY, MISS 38677 Assessment and treatment of mandibular pain-dysfunction (human).

R01DE-06551-01 (OBM) COGEN, RONALD B, UNIVERSITY OF ALABAMA, SCHOOL OF DENTISTRY, BIRMINGHAM, ALABAMA 35294 Stress, host factors, and acute necrotizing gingivitis (human).

R01DE-06552-03 (OBM) FOX, JEFFREY L, UNIVERSITY OF UTAH, COLLEGE OF PHARMACY, SALT LAKE CITY, UTAH 84112 Hydroxyapatite remineralization--The role of fluoride.

R01DE-06553-02 (OBM) CHIPPERS, KENNETH P, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA 19107 Arachidonate metabolism and orofacial development (mice).

R23DE-06554-02 (OBM) CUSICK, CATHERINE G, VANDERBILT UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, NASHVILLE, TENN 37240 Organization of cortical tooth representations (monkeys).

R01DE-06555-03 (OBM) DI RIENZO, JOSEPH M, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Cell surface interactions of oral plaque bacteria (rabbits).

R01DE-06556-02 (OBM) TELSER, ALVIN G, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, IL 60611 Oral epithelium structural proteins (rabbits).

R01DE-06557-01 (OBM) FEATHERSTONE, JOHN D, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Effects of barium on human enamel and dental caries (rats).

R23DE-06563-01 (RSR) GRIMBOWSKI, DAVID E, UNIVERSITY OF WASHINGTON, DEPT / COMMUNITY DENTISTRY, SEATTLE, WASH 98195 Fluoridation effects on dental demand (human).

R01DE-06563-02 (OBM) MARSHALL, GRAYSON W, NORTHWESTERN UNIVERSITY, 311 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Microstructure vs. deterioration of amalgam restorations.

R01DE-06564-03 (OBM) SILVERSTONE, LEON M, UNIV OF COLORADO HLTH SCIS, DENTAL SCHOOL, DENVER, COLORADO 80262 Remineralization of enamel caries in vitro (human).

R01DE-06569-03 (OBM) HSUCHI, WILLIAM I, UNIVERSITY OF UTAH, DEPT OF PHARMACEUTICS, SALT LAKE CITY, UTAH 84112 Quantitation of enamel demineralization mechanisms.

R01DE-06570-03 (BBM) PERTSCHUK, MICHAEL J, THE GRADUATE HOSPITAL, ONE GRADUATE PLAZA, PHILADELPHIA, PA 19146 Psychosocial evaluation of craniofacial patients.

R03DE-06573-01 (DSR) NAIR, CHERUKANTATH N, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIOL, AUGUSTA, GA 30912 Isolation of herpes simplex virion attachment protein.

R03DE-06575-02 (DSR) GENTRY, GLENN A, UNIV OF MISSISSIPPI MED CTR, DEPT OF MICROBIOLOGY, JACKSON, MISS 39216 Herpes simplex virus DNA polymerase and drug resistance.

R01DE-06585-02 (OBM) TURNER, DENNIS F, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys).

R03DE-06586-02 (DSR) CHILAR, RONALD L, GEORGETOWN UNIVERSITY, DEPT OF MICROBIOLOGY, WASHINGTON, D C 20007 A genetic approach for study of actinomyces viscosus.

R03DE-06600-01 (DSR) RAO, G SUBBA, AMERICAN DENTAL ASSOCIATION HEALTH FOUNDATION, CHICAGO, ILLINOIS 60611 Salivary dissolution of mercury from dental amalgams.

R03DE-06605-02 (DSR) MC ARTHUR, WILLIAM P, UNIVERSITY OF FLORIDA, DEPT OF BASIC DENTAL SCIENCES, GAINESVILLE, FLA 32610 Modulation of leukocyte functions by dental related metals (human).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of [illegible] and contract number

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R23DE-06618-01 (OBM) WESTBURY, JOHN RUSH, UNIVERSITY OF NORTH CAROLINA, DENTAL RES CENTER 210-H, CHAPEL HILL, N C 27514 Properties of motor units in human mandibular muscles.

R01DE-06622-01 (OBM) HUSSAIN, M Z, UNIVERSITY OF CALIFORNIA, DEPT OF STOMATOLOGY, SAN FRANCISCO, CA 94143 Molecular mechanisms of periodontal disease.

R01DE-06624-02 (OBM) JACOBS, JOHN W, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 OAF synthesis in periodontal disease (human).

R01DE-06632-02 (OBM) NODEN, DREW M, CORNELL UNIVERSITY, DEPARTMENT OF ANATOMY, ITHACA, N Y 14853 Origin and patterning of head muscles, bones and nerves (quail, chick embryos).

R01DE-06634-01 (OBM) FURNAS, DAVID W, UNIVERSITY OF CALIFORNIA, 101 CITY DRIVE SOUTH, ORANGE, CALIF 92668 Cyclosporine in craniofacial composite tissue allografts (human, mammals).

R01DE-06635-02 (CBY) BALL, WILLIAM D, HOWARD UNIVERSITY, 520 W STREET, NW RM 1105, WASHINGTON, D C 20059 Tissue interactions and salivary cytodifferentiation (rats, rabbits).

R01DE-06638-01 (OBM) KAPUR, KRISHAN K, VA MEDICAL CENTER, 16111 PLUMMER STREET, SEPULVEDA, CA 91343 Complete denture service psychophysiological criteria.

R23DE-06640-02 (OBM) WILSON, MARK E, S U N Y AT BUFFALO, B36 FOSTER HALL, BUFFALO, NY 14214 Neutrophil defects induced by oral bacterial products.

R01DE-06643-02 (OBM) FANGER, MICHAEL W, DARTMOUTH MEDICAL SCHOOL, DEPT. OF MICROBIOLOGY, HANOVER, N H 03756 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats).

R01DE-06644-02 (OBM) GERMAINE, GREG R, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET SE, MINNEAPOLIS, MINN 55455 Physiology of oral bacteria--Sugar, PH and F relations.

R01DE-06645-02 (IMB) ENGEL, DAVID, UNIVERSITY OF WASHINGTON, DEPT OF PERIODONTICS, SM-44, SEATTLE, WASH 98195 Genetic regulation of B cell replication and function (mice).

R01DE-06656-02 (OBM) MC CAUL, KEVIN D, NORTH DAKOTA STATE UNIV, DEPT OF PSYCHOLOGY, FARGO, ND 58105 Promoting adherence to a dental regimen.

R01DE-06665-02 (NSUB) CLARK, GLENN T, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF 90024 Trigeminal motor fatigue-endurance and tremor studies (human).

R01DE-06669-02 (ALY) CURTISS, ROY, III, WASHINGTON UNIVERSITY, LINDELL & SKINKER BLVDS, ST LOUIS, MO 63130 Antigen delivery system design for host defense analysis (rodent, human, rabbit).

R01DE-06671-02 (OBM) HASSELL, THOMAS M, DEPT OF PERIODONTICS & ANATOMY, 666 W BALTIMORE ST, BALTIMORE, MD 21201 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs).

R01DE-06672-02 (OBM) ANUSAVICE, KENNETH J, UNIVERSITY OF FLORIDA, BOX J-446, GAINESVILLE, FLA 32610 Optimization of metal-ceramic restoration design.

R01DE-06673-02 (MBC) CURTISS, ROY, III, WASHINGTON UNIVERSITY, DEPT OF BIOLOGY, ST LOUIS, MO 63130 Genetic and biochemical basis for S mutans virulence (rabbits).

R03DE-06675-01 (DSR) KELLER, JOHN C, MEDICAL UNIVERSITY OF S C, 171 ASHLEY AVENUE, CHARLESTON, S C 29425 Biological evaluation of a new dental cement (rats).

R03DE-06677-01 (DSR) LEE, IRWIN J, UNIVERSITY OF NORTH CAROLINA, DEPT OF ENDODONTICS, CHAPEL HILL, N C 27514 Vascular casting of the dental pulp (cats).

R03DE-06678-01 (DSR) PEZZUTO, JOHN M, UNIVERSITY OF ILLINOIS, 833 SOUTH WOOD ST, CHICAGO, ILL 60612 Assessment of genetic toxicity mediated by steviol (rats).

R03DE-06680-01 (DSR) GREEN, T L, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CA 94143 Analysis of oral cancer for Herpes simplex virus markers.

R03DE-06681-02 (DSR) RYDER, MARK I, UNIVERSITY OF CALIFORNIA, 707 PARNASSUS AVENUE, SAN FRANCISCO, CALIF 94143 Electron microprobe study of bone resorption (rats).

R01DE-06682-02 (NSUB) SEITZ, ALVIN J, UNIVERSITY OF MINNESOTA, 1988 FITCH AVENUE, ST PAUL, MINN 55108 CNS modulation of orofacial input (rats, cats).

R23DE-06683-03 (OBM) MANDELL, ROBERT L, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Selective microbial ecology of periodontosis siblings (human).

R03DE-06690-01 (DSR) ENDICOTT, JAMES N, UNIVERSITY OF SOUTH FLORIDA, 13000 N 30TH STREET, TAMPA, FLA 33612 Long-term follow-up of craniofacial injuries.

R03DE-06692-02 (DSR) MUELLER, GREGORY P, UNIFORMED SERVICES UNIVERSITY, 4301 JONES BRIDGE ROAD, BETHESDA, MD 20814 Neurohumoral responses to pain and anxiety.

R03DE-06706-03 (DSR) WOLINSKY, LAWRENCE E, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF 90024 Bacterial chemotaxis in oral treponema species.

R13DE-06711-01 (NSS) COX, CHARLES F, 5213 ORAL HISTOLOGY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MI 48109 International workshop on the biology of dentin and pulp (North Carolina).

R03DE-06714-01 (DSR) WEBER, DENNIS F, UNIVERSITY OF ILLINOIS, P O BOX 6998, CHICAGO, IL 60680 New approach to fixation of human pulp and dentine.

R01DE-06720-01 (OBM) LANG, BRIEN R, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Resistance of various restorative materials.

R01DE-06725-01 (OBM) FALLS, WILLIAM M, MICHIGAN STATE UNIVERSITY, B514 WEST FEE HALL, EAST LANSING, MI 48824-1316 Anatomical studies of sensory trigeminal nuclei (rats).

R01DE-06730-01 (OBM) BRUNETTE, DONALD M, UNIVERSITY OF BRITISH COLUMBIA, 2199 WESBROOK MALL, VANCOUVER, B C V6T 1Z7 Dental implant surfaces impeding epithelial migration (rats).

R01DE-06738-01 (OBM) FEATHERSTONE, JOHN D, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Fluoride effect on human tooth root caries (rats).

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PROJECT IDENTIFICATION DATA

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R23DE-06739-01 (OBM) PRINCE, CHARLES W, UNIVERSITY OF ALABAMA, P O BOX 5982, BIRMINGHAM, ALA 35259 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats).

R01DE-06740-01 (IMB) LEVINE, MARTIN, UNIV OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OK 73190 Human antibody responsiveness and dental caries.

R01DE-06744-01 (OBM) GABRIEL, OTHMAR, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD N W, WASHINGTON, D C 20007 Adherence of oral bacteria to cell surface components (humans, rabbits).

R01DE-06746-01 (OBM) RUSSELL, MICHAEL W, UNIV OF ALABAMA IN BIRMINGHAM, INST OF DENTAL RESEARCH, BIRMINGHAM, ALA 35294 Protein antigens of Strep mutans in caries immunity (mice, rabbits).

R01DE-06748-01 (OBM) CHIU, TEH-HSING, UNIVERSITY OF PITTSBURGH, 659 SALK HALL, PITTSBURGH, PA 15261 Synthesis and function of polymers in oral bacteria (rats).

R23DE-06757-01 (OBM) MIYASAKI, KENNETH T, S U N Y AT BUFFALO, 4510 MAIN STREET, BUFFALO, N Y 14226 Myeloperoxidase selective killing of oral bacteria (rabbits).

R01DE-06761-01 (OBM) PEAGIN, FREDERICK F, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Prevention of surface zone limited caries of enamel.

R01DE-06762-01 (OBM) DOUGLAS, WILLIAM H, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN 55455 Development of an advanced artificial oral environment.

R23DE-06763-01 (OBM) ANDERSON, RICHARD E, UNIVERSITY OF UTAH, 416 CHIPETA WAY #167, SALT LAKE CITY, UTAH 84108 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits).

R01DE-06765-01 (OBM) BAWDEN, JAMES W, UNIVERSITY OF NORTH CAROLINA, DENTAL RESEARCH CENTER 210-H, CHAPEL HILL, N C 27514 Ion transport through the maturation stage enamel organ (cows, rats).

R23DE-06766-01 (OBM) AUKHIL, IKRAMUDDIN, UNIVERSITY OF NORTH CAROLINA, DEPT OF PERIODONTICS, CHAPEL HILL, N C 27514 Surgical regeneration of the periodontium (dogs).

R44DE-06779-02 (SRC) CAPTAIN, KHUSHROO, FOSTER-MILLER, INC., 350 SECOND AVE, WALTHAM, MASS 02254 Evaluation of a new automated periodontal probe.

R43DE-06788-01 (OBM) BOGAR, GUY F, MEDPACIFIC CORPORATION, 6701 SIXTH AVENUE SOUTH, SEATTLE, WASH 98108 Phase I laser velocimetry for periodontal disease (dogs).

R03DE-06793-01 (DSR) MACKENZIE, RICHARD S, UNIVERSITY OF FLORIDA, BOX J-406 JHMHC, GAINESVILLE, FLA 32610 Measurement of biologically based judgment in practice.

R03DE-06798-01 (DSR) KLEIN, RICHARD J, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N Y 10016 Testing of a model live herpes simplex virus vaccine (mice).

R03DE-06799-01 (DSR) LEONARD, REBECCA J, UNIVERSITY OF CALIFORNIA, 4301 X STREET, ROOM 208, SACRAMENTO, CALIF 95817 Speech prostheses in orofacial cancer patients.

R13DE-06800-01 (NSS) ROSAN, BURTON, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Workshop on molecular interactions in oral microbial adherence.

R01DE-06801-02 (MG) CURTISS, ROY, III, WASHINGTON UNIVERSITY, LINDELL & SKINKER BLVDS, ST LOUIS, MO 63130 Use of mutants to study S mutans pathogenicity (rats, rabbits).

R03DE-06803-01 (DSR) GANTT, DAVID G, UNIVERSITY OF COLORADO, 4200 E NINTH AVE BOX C-284, DENVER, COLO 80262 Intermicroscopic correlation of remineralization.

R03DE-06804-01 (DSR) PITARU, SANDU, TEL AVIV UNIVERSITY, DEPT OF ORAL BIOLOGY, RAMAT AVIV, TEL AVIV ISRAEL Gingival fibroblasts-epithelial cells interaction (dogs, rats).

R03DE-06807-01 (DSR) RANKINE, CHRISTOPHER A, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Biochemical responses in plaque fluid to reference foods (children).

R03DE-06813-01 (DSR) WIDMALM, SVEN-ERIK, UNIV OF MICHIGAN SCH OF DENT, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Digastric and lateral pterygoid muscle function.

R03DE-06814-01 (DSR) GAWRON-BURKE, MARY C, UNIVERSITY OF MICHIGAN, 300 N INGALLS BLDG RM 1184SE, ANN ARBOR, MICH 48109 Transposon mutagenesis of the oral streptococci.

R03DE-06815-01 (DSR) HEYS, DONALD R, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Inherent healing capacity of the pulp (monkeys).

R03DE-06816-01 (DSR) NIKOLAI, ROBERT J, SAINT LOUIS UNIVERSITY MED CTR, 3556 CAROLINE STREET, ST LOUIS, MO 63104 Toward revising the standard tests for orthodontic wire.

R03DE-06817-01 (DSR) BURSTONE, CHARLES J, UNIVERSITY OF CONNECTICUT, DEPT OF ORTHODONTICS, FARMINGTON, CT 06032 Maxillary expansion using laser specklegrammetry (human).

R03DE-06818-01 (DSR) ZAPKA, JANE M, UNIVERSITY OF MASSACHUSETTS, SCHOOL OF HEALTH SCIENCES, AMHERST, MA 01003 College students and comprehensive care effectiveness.

R03DE-06819-01 (DSR) SADOWSKY, CYRIL, UNIV OF ILLINOIS AT CHICAGO, HEALTH SCIENCE CENTER, CHICAGO, IL 60612 TMJ clicking related to orthodontic therapy.

R03DE-06821-01 (DSR) TALLEY, DEANNA J, MARQUETTE UNIVERSITY, 604 N 16TH STREET, MILWAUKEE, WI 53233 Regulation of bone cells three-dimensional culture models (mice).

R03DE-06823-01 (DSR) SIEW, CHAK'WAN, AMER DEN ASSOC HEALTH FNDN, RESEARCH INSTITUTE, CHICAGO, IL 60611 Mercury neurotoxicity of mercury vapor in mice.

R03DE-06825-01 (DSR) BRADLEY, ROBERT M, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Central nervous system control of Von Ebner's glands (rats).

R23DE-06829-02 (OBM) HICKS, M JOHN, UNIV OF COLO HLTH SCIS CTR, 4200 E NINTH AVE BOX C-284, DENVER, COLO 80262 Acid-etching and remineralization of enamel caries in vitro.

R23DE-06832-01 (OBM) KIEL, ROBERT A, UNIV OF CONNECTICUT HLTH CTR, 263 FARMINGTON AVENUE, FARMINGTON, CONNECTICUT 06032 Experimental diabetes and periodontitis (monkeys).

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R01DE-06848-01 (BCE) COFFEY, JAMES C, JR, UNIVERSITY OF NORTH CAROLINA, DENTAL RESEARCH CENTER, CHAPEL HILL, N C 27514 Androgen control of salivary gland EGF in cleft palate (mice).

R23DE-06849-02 (OBM) BERTOLAMI, CHARLES N, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS 02114 Identification of intraoral mucosal wound hyaluronidase (rabbits).

R01DE-06852-01 (OBM) ZEICHNER-DAVID, MARGARITA, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK MC-0191, LOS ANGELES, CALIF 90089-0191 Isolation and characterization of enamelin gene products (rabbits, guinea pigs).

R01DE-06854-01 (OBM) STUMPF, WALTER E, UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, N C 27514 Steroid hormone receptors in developing teeth (rats).

R01DE-06856-01 (OBM) GAY, THOMAS J, UNIVERSITY OF CONNECTICUT, DEPT OF ORAL BIOLOGY, FARMINGTON, CT 06032 Arthrophonometry of the temporomandibular joint (human).

R01DE-06860-01 (OBM) RUTHERFORD, R BRUCE, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVE, FARMINGTON, CT 06032 Complement monocyte interactions in periodontal disease.

R01DE-06864-01 (OBM) HABER, JEROME, TUFTS UNIVERSITY, ONE KNEELAND STREET, BOSTON, MASS 02111 Genetics of antibodies to periodontal pathogens (mice).

R23DE-06865-01 (BEM) CIPES, MONICA H, UNIVERSITY OF CONNECTICUT, FARMINGTON, CONN 06032 Child desensitization for dental visits (human).

R01DE-06916-01 (PTHB) WILLIAMS, MARSHALL V, OHIO STATE UNIVERSITY, 333 WEST TENTH AVENUE, COLUMBUS, OHIO 43210 Deoxyuridine metabolism in herpes labialis (rabbit, human).

R01DE-06869-02 (SSS) ARNOLD, ROLAND R, EMORY UNIVERSITY, 1462 CLIFTON ROAD N E, ATLANTA, GA 30322 Bactericidal activity of lactoferrin on oral flora (human, bacteria).

R13DE-06873-01 (NSS) HULBERT, SAMUEL F, ROSE-HULMAN INST OF TECH, 5500 WABASH AVENUE, TERRE HAUTE, IND 47803 Second world congress on biomaterials (Washington, D C).

R23DE-06874-01 (OBM) ELLIS, EDWARD, III, UNIVERSITY OF MICHIGAN, DEPT OF ORAL SURGERY, ANN ARBOR, MICH 48109 Effect of intermaxillary fixation on skeletal relapse (monkeys).

R01DE-06880-01 (OBM) CHEN, PRISCILLA B, SUNY AT BUFFALO, 4510 MAIN STREET, BUFFALO, NY 14226 Host defense mechanism to oral bacteria (mice, rabbits, human).

R01DE-06881-02 (OBM) VIG, PETER S, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MI 48109 Oral facial morphology and breathing--Quantitative studies (human).

R01DE-06886-01 (OBM) SYFTESTAD, GLENN T, CASE WESTERN RESERVE UNIV, DEPT OF BIOLOGY, CLEVELAND, OH 44106 Bioactive factors from demineralized adult bone (chick embryo).

R01DE-06892-01 (OBM) DENNY, PAUL C, UNIVERSITY OF SOUTHERN CALIF, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF 90089-0641 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits).

R01DE-06893-01 (OBM) ALAM, SYED Q, LSU MEDICAL CENTER, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Effects of beta-carotene on salivary gland tumors (rats).

R01DE-06895-01 (BEM) SCHEIER, MARY A, WESTAT, INC., 1650 RESEARCH BOULEVARD, ROCKVILLE, MD 20850 Implementing preventive dental programs in schools.

R23DE-06896-01 (OBM) MASTERS, PATRICIA M, SCRIPPS INST OF OCEANOGRAPHY, A-012, LA JOLLA, CALIF 92093 Nonenzymatic reactions in human dentin proteins.

R03DE-06901-01 (DSR) GATCHEL, ROBERT J, UNIV OF TEXAS HLTH SCI CENTER, 5323 HARRY HINES BOULEVARD, DALLAS, TEX 75235 Impact of a videotaped dental fear reduction program (human).

R03DE-06902-01 (DSR) WEINER, SAUL, UNIV OF MED & DENTISTRY OF N J, 100 BERGEN STREET, NEWARK, N J 07103 Neuroanatomic pathways mediating bruxing behavior (cats).

R03DE-06903-01 (DSR) MOORE, CONDICT, UNIVERSITY OF LOUISVILLE, 529 SOUTH JACKSON STREET, LOUISVILLE, K Y 40292 Pilot study to screen smokers over 40 for oral cancer.

R03DE-06907-01 (DSR) BLOCK, MICHAEL S, LSU SCHOOL OF DENTISTRY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Osteogenic potential of DBP and hydroxylapatite in dogs.

R23DE-06909-02 (OBM) BABLER, WILLIAM J, BAYLOR COLLEGE OF DENTISTRY, 3302 GASTON AVENUE, DALLAS, TEX 75246 Experimentally induced premature craniosynostosis (rabbits).

R01DE-06913-02 (OBM) YU, JIA-HUEY, VETERANS ADMIN MEDICAL CENTER, 50 IRVING STREET, N W, WASHINGTON, DC 20422 Modulating role of prostaglandins in salivary glands (rats).

R03DE-06915-01 (OBM) LANTZ, MARILYN S, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVENUE, FARMINGTON, CONN 06032 Attachment protein interaction with periodontal bacteria (mice).

R01DE-06923-01 (OBM) DAVIDOVITCH, ZEEV, OHIO STATE UNIVERSITY, 305 W 12TH AVENUE, COLUMBUS, OHIO 43210 Biochemistry of tooth eruption, movement and resorption (cats).

R03DE-06925-01 (DSR) DUNSTON, GEORGIA M, 520 W STREET, N W, WASHINGTON, D C 20059 HSV-1 and natural killer activity in herpes labialis.

R03DE-06927-01 (DSR) RIOLO, MICHAEL L, UNIVERSITY OF DETROIT, 2985 E JEFFERSON, DETROIT, MICH 48207 Malocclusion and temporomandibular joint dysfunction (children).

R43DE-06932-01 (OBM) KUNG, ROBERT T, 33 CHERRY HILL DRIVE, DANVERS, MA 01923 Periodontal temperature probe.

R03DE-06933-01 (DSR) NICHOLS, WILLIAM K, COLLEGE OF PHARMACY, UNIVERSITY OF UTAH, SALT LAKE CITY, UT 84112 Modulation of microvascular collagen metabolism (swine, rabbits).

R03DE-06937-01 (DSR) MYERS, HOWARD M, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Structure-activity of polycarboxylate absorption by hydroxyapatite.

R01DE-06943-01 (NIFB) LUSCHER, ERICH S, UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Central projections of MES V afferents (cats).

R23DE-06945-02 (OBM) MURRAY, PATRICIA A, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CA 94143 Identification of microbial lectins (rabbits).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

BEST COPY AVAILABLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01DE-06946-01 (SSS) LASKIN, DANIEL M, MEDICAL COLLEGE OF VIRGINIA , BOX 566 MCV STATION, RICHMOND, VA 23298 Pathophysiology of MPD and other facial pain syndromes.

P01DE-06946-01 0001 (SSS) AUERBACH, STEPHEN. Pathophysiology of MPD and other facial pain syndromes--Psychosocial factors in the response of MPD patients to therapy (human).

P01DE-06946-01 0002 (SSS) HARKINS, STEPHEN. Pathophysiology of MPD and other facial pain syndromes--Evoked potentials to tonic nociceptive stimulation (human).

P01DE-06946-01 0003 (SSS) AUERBACH, STEPHEN. Pathophysiology of MPD and other facial pain syndromes--Sensory discrimination analysis (human).

P01DE-06946-01 0004 (SSS) AUERBACH, STEPHEN. Pathophysiology of MPD and other facial pain syndromes--Sensitivity and response bias to stimuli (human).

P01DE-06946-01 0008 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Study of repair in the TMJ disc and retrodiscal tissue (rabbits).

P01DE-06946-01 0009 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Effects of altered position on articular surface of mandibular condyle (rabbits).

P01DE-06946-01 0010 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Study of the partial denervated temporomandibular joint (rabbits).

P01DE-06946-01 0011 (SSS) PAGE, DENNIS. Pathophysiology of MPD and other facial pain syndromes--X-ray analysis of muscle and tendon in normal and fatigued states (rat, human).

P01DE-06946-01 0012 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Oxygen concentration and pH of masseter muscle (human).

P01DE-06946-01 0013 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Beta-endorphin levels in MPD syndrome patients (human).

P01DE-06946-01 0014 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human).

P01DE-06946-01 0015 (SSS) MERCURI, LOUIS G. Pathophysiology of MPD and other facial pain syndromes--Evaluation of biteplate designs--Treatment of MPD syndrome (human).

P01DE-06946-01 0016 (SSS) MERCURI, LOUIS G. Pathophysiology of MPD and other facial pain syndromes--Exercise therapy for patients with clicking of the TMJ (human).

P01DE-06946-01 0017 (SSS) BUTLER, JAMES. Pathophysiology of MPD and other facial pain syndromes--Manipulation therapy for patients with internal derangement of the TMJ (human).

P01DE-06946-01 0018 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human).

P01DE-06946-01 0019 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Surveys and longitudinal studies of internal derangements of the TMJ (human).

P01DE-06946-01 0020 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Long-term follow-up survey (human).

P01DE-06946-01 0021 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--TMJ symptoms in pre- and post-orthognathic surgery patients.

P01DE-06946-01 0022 (SSS) KAUGERS, GEORGE. Pathophysiology of MPD and other facial pain syndromes--Improved radiologic examination of the temporomandibular joint.

R01DE-06951-01 (OBM) PEAGIN, FREDERICK F, UNIV OF ALABAMA IN BIRMINGHAM, DEPT OF PHYSIOLOGY & BIOPHYS , BIRMINGHAM, ALA 35294 Study of F actions on human root surface caries.

R01DE-06953-01 (OBM) CRENSHAW, MILES A, UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CENTER 210H , CHAPEL HILL, N C 27514 Enamel secretory matrix protease (cattle, rats).

R01DE-06953-01 (OBM) SVANBERG, GUNNAR K, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY, ANN ARBOR, MICH 48109 Hydroxyproline levels in periodontal health and disease (dogs).

R01DE-06955-01 (OBM) MURPHY, RICHARD A, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS 02115 Epidermal growth factor and tooth development (mice).

R01DE-06957-01 (OBM) WARREN, DONALD W, UNIVERSITY OF NORTH CAROLINA , BRAUER HALL, 209-H, CHAPEL HILL, N C 27514 Nasal airway and respiratory mode in cleft palate (human).

R01DE-06962-01 (OBM) DAO, MY LIEN, UNIV OF OKLAHOMA HLTH SCIS CTR, P O BOX 26901, OKLAHOMA CITY, OK 73190 Surface protein antigens of cariogenic streptococci.

R03DE-06968-01 (DSR) WILLIAMS, WILLIAM N, UNIVERSITY OF FLORIDA, GAINESVILLE, FL 32610 Vibratory stimulation of jaw muscles and bite force (human).

R03DE-06969-01 (DSR) KURIYAMA, MASAO, NATIONAL BUREAU OF STANDARDS , ROOM A163 MATERIALS BLDG, WASHINGTON, D C 20234 Real time high resolution dental microradiography.

R01DE-06970-01 (OBM) TABAK, LAWRENCE A, SUNY AT BUFFALO, 213 FOSTER HALL, BUFFALO, N Y 14214 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits).

R23DE-06976-02 (OBM) MANGAN, DENNIS F, P O BOX 611, UNIV OF ROCHESTER, MEDICAL CTR, ROCHESTER, NY 14642 Polyclonal B cell activation in periodontal disease (human).

R01DE-06977-01 (OBM) LILLIE, JOHN H, UNIVERSITY OF MICHIGAN, ANN ARBOR, MI 48109-0010 Oral mucosa in vitro (mice, rats, guinea pigs).

R23DE-06983-01 (OBM) HINTON, ROBERT J, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TEX 75246 Biomechanical influences on condylar cartilage growth (rats).

R01DE-06991-01 (OBM) DOWD, FRANK J, CREIGHTON UNIVERSITY, CALIFORNIA AT 24TH STREET, OMAHA, NE 68178 Plasma membranes and secretory granules in secretion (rats, rabbits).

R01DE-06994-01 (OBM) GREENER, EVAN H, NORTHWESTERN UNIVERSITY, 311 E CHICAGO AVENUE, CHICAGO, IL 60611 Palladium containing dental amalgam.

R13DE-06995-01 (NSS) VEIS, ARTHUR, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, IL 60611 Gordon research conference on the bones and teeth (New Hampshire).

P50DE-07003-01 (SRC) BOWEN, WILLIAM H, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Rochester caries research center.

P50DE-07003-01 0001 (SRC) MARQUIS, ROBERT E. Rochester caries research center--Implantable ammonia-producing Streptococci (rats).

P50DE-07003-01 0002 (SRC) ALLEN, PETER Z. Rochester caries research center--Immunochemical studies of A viscosus polysaccharides (rats).

P50DE-07003-01 0004 (SRC) YASBIN, RONALD E. Rochester caries research center--Genetics of Streptococcus mutans.

P50DE-07003-01 0005 (SRC) FEATHERSTONE, JOHN D. Rochester caries research center--Salivary pellicle and dental caries (humans).

P50DE-07003-01 0007 (SRC) BOWEN, WILLIAM H. Rochester caries research center--Animal model for root surface caries and hyposalivation (rats).

P50DE-07003-01 0008 (SRC) HANDELMAN, STANLEY L. Rochester caries research center--Hyposalivation, drug use and caries in the elderly.

P50DE-07003-01 0009 (SRC) MEYEROWITZ, CYRIL J. Rochester caries research center--Radiation-induced xerostomia and caries parameters (humans).

P50DE-07003-01 0010 (SRC) LEVERETT, DENNIS H. Rochester caries research center--Identifying caries susceptible subjects.

R03DE-07005-01 (DSR) WIRTZ, GEORGE H, WEST VIRGINIA UNIVERSITY, SCHOOL OF MEDICINE, MORGANTOWN, WV 26506-6302 Reactivity of saliva with complement.

R01DE-07008-02 (OBM) SHILLITOE, EDWARD J, UNIV OF TEXAS HLTH SCIS CTR , P O BOX 20068, HOUSTON, TEX 77225 Herpes virus antibodies in patients with oral cancer.

P30DE-07009-01 (SRC) DE PAOLA, PAUL F, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MA 02115 Specialized caries research centers.

P50DE-07009-01 0001 (SRC) DEPAOLA, PAUL F. Specialized caries research centers--Clinical studies of root caries (human).

P50DE-07009-01 0002 (SRC) JORDAN, HAROLD V. Specialized caries research centers--Studies of the microbial etiology of root surface caries (human, rats).

P50DE-07009-01 0003 (SRC) HAY, DON I. Specialized caries research centers--Biochemical and microbiologicalaspects of root surface caries (human).

P50DE-07009-01 0004 (SRC) EBERSOLE, JEFFREY L. Specialized caries research centers--Immunological aspects of root caries (human).

P50DE-07009-01 0005 (SRC) MORENO, EDGARD C. Specialized caries research centers--Physical -chemical and microbiological aspects of root caries formation (human).

P50DE-07009-01 0006 (SRC) KASHKET, SHELBY. Specialized caries research centers--Interactions between root surface plaque and fluoride (human).

P50DF-07009-01 0007 (SRC) SKOBE, ZIEDONIS. Specialized caries research centers--Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters).

P50DE-07010-01 (SRC) CLARKSON, BRIAN H, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IA 52242 Specialized caries research center.

P50DE-07010-01 0001 (SRC) ETTINGER RONALD L. Specialized caries research center--Prevention of caries in overdenture abutments (humans).

P50DE-07010-01 0002 (SRC) WEFEL, JAMES S. Specialized caries research center--Influence of plaque pH on mineralization.

P50DE-07010-01 0003 (SRC) JENSEN, MARK E. Specialized caries research center--Radiotelemetric evaluation of interproximal plaque pH (human).

P50DE-07010-01 0004 (SRC) CRALL, JAMES J. Specialized caries research center--Carbohydrates in root caries.

P50DE-07010-01 0005 (SRC) BUTLER, J E. Specialized caries research center--Immunological investigation of root surface caries.

P50DE-07010-01 0006 (SRC) GRIGSBY, WILLIAM R. Specialized caries research center--Synthesis and testing of potential antiplaque agents.

P50DE-07010-01 0007 (SRC) CHALLACOMBE, STEPHEN J. Specialized caries research center--Bacterial interrelationships in an animal model (rats).

R01DE-07011-01 (OBM) MOORE, PAUL A, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Psychomotor impairment related to nitrous oxide exposure (human, rats).

R03DE-07012-01 (DSR) MOORE, PAUL A, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Therapeutic regimens for dental surgery.

R03DE-07013-01 (DSR) MYERS, DAVID R, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Absorptive of glutaraldehyde from pulpotomy sites (dogs).

R03DE-07015-01 (DSR) LINKE, HARALD A, NYU COLLEGE OF DENTISTRY, 421 FIRST AVENUE, NEW YORK, NY 10010 Axenic cultivation of Entamoeba gingivalis.

R03DE-07019-01 (DSR) HAMLET, SANDRA L, UNIVERSITY OF MARYLAND, DEPT HEARING & SPEECH SCIENCES, COLLEGE PARK, MD 20742 Ultrasonic detection of oral markers (human).

R43DE-07022-01 (OBM) BAKER, RICHARD W, MEMBRANE TECH & RESEARCH, INC, 1030 HAMILTON COURT, MENLO PARK, CA 94025 New controlled release antibiotic delivery systems.

R03DE-07034-01 (DSR) MALLEK, HENRY M, GEORGETOWN UNIVERSITY, 3800 RESERVOIR ROAD, N W, WASHINGTON, D C 20007 Oral signs and symptoms in bulimic patients.

R03DE-07043-01 (DSR) MC CALLUM, DEBRA M, UNIVERSITY OF ALABAMA, DEPT OF PSYCHOLOGY, BIRMINGHAM, ALA 35294 Interdependence in the dentist-patient relationship.

R03DE-07045-01 (DSR) MOREMA, ROBERT, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Fatigue of ceramics in a simulated oral environment.

R03DE-07046-01 (DSR) AUKHIL, IKRAMUDDIN, UNIVERSITY OF NORTH CAROLINA , SCHOOL OF DENTISTRY, CHAPEL HILL, N C 27514 Cell migration in experimental periodontal wounds (monkey).

R43DE-07050-01 (OBM) GUMBS, RONALD W, 26 AVENUE B, NEWARK, N J 07114 Improved dental composite filling materials.

R23DE-07107-01 (OBM) REDDY, CHADA S, UNIVERSITY OF MISSOURI, COLUMBIA, MO 65211 Cyclic nucleotides and prostaglandins in cleft palate (mice).

R23DE-07113-01 (OBM) BAKER, RICHARD L, EMORY UNIVERSITY, 1462 CLIFTON RD N E, ATLANTA, GA 30322 Isolation and characterization of osteoclasts (chicks).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

BEST COPY AVAILABLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-07120-01 (OBM) SHUR, FARRY D, M D ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TX 77030 Cell-substrate interaction in craniofacial morphogenesis.

R01DE-07126-01 (MBC) COYKENDALL, ALAN , UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ORAL DIAGNOSIS , FARMINGTON, CONN 06032 Molecular taxonomy of non-hemolytic streptococci.

R01DE-07128-01 (OBM) KORNMAN, KENNETH S, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Microbiology of ligature-induced periodontitis (monkeys).

R01DE-07133-01 (OBM) MARFURT, CARL F, INDIANA UNIV SCHOOL OF MED, 3400 BROADWAY, GARY, IND 46408 Peripheral and central mechanisms of dental pain (monkeys, rats).

R01DE-07168-01 (BM) CAMPBELL, RONALD L, GEORGETOWN UNIVERSITY, 3900 RESERVOIR RD, N W, WASHINGTON, D C 20007 Membrane function during germination of Candida albicans (mice).

R23DE-07256-01 (OBM) LANTZ, MARILYN S, UAB SCHOOL OF DENTISTRY, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Attachment protein interaction with periodontal bacteria (mice).

R01DE-07257-01 (OBM) BURTON, JAMES A, UNIVERSITY HOSPITAL, 75 EAST NEWTON STREET, BOSTON, MASS 02118 IgA protease and dental caries.

R01DE-07267-01 (MBC) HOLT, STANLEY C, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Periodontopathic bacteria--Chemical-biologic nature (rodents).

R23DE-07268-01 (CBY) NIEDERMAN, RICHARD, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Polymorphonuclear leukocyte function in wound healing (rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

N01DE-12430-08 (**) DALGARD, DANIEL W, VIENNA, VIRGINIA Investigation of anticaries vaccine in primates.

N01DE-12433-04 (**) SANDT, CARL L, ST PAUL, MINNESOTA Phase contrast evaluation of subgingival plaque.

N01DE-12434-06 (**) CURZON, MARTIN E, ROCHESTER, NEW YORK Identify cariogenic elements of food.

N01DE-22439-04 (**) DOGON, I LEON, BOSTON, MASSACHUSETTS Cost of combined sealant and self-applied fluoride program.

N01DE-32400-04 (**) RIPA, LOUIS W, STONY BROOK, NEW YORK NaF mouthrinsing for caries prevention.

N01DE-32441-03 (**) LEVERETT, DENNIS H, ROCHESTER, NEW YORK Effect of prenatal fluoride in preventing dental caries (human).

N01DE-32444-01 (**) DAVIDSON, WILLIAM M, BALTIMORE, MARYLAND Pharmacology of intraoral fluoride-releasing device.

N01DE-32445-02 (**) FRAZIER, JEAN, MINNEAPOLIS, MINNESOTA National caries program.

N01DE-42500-02 (**) JACKSON, CLAUDE, SILVER SPRING, MARYLAND Microbiological information system.

N01DE-42551-00 (**) MICHALEK, SUZANNE M, BIRMINGHAM, ALABAMA Develop antigens and adjuvants for caries immunity.

N01DE-42552-00 (**) CAUFIELD, PAGE W, BIRMINGHAM, ALABAMA Prevent maternal transmission of streptococcus mutans (humans).

N01DE-42553-00 (**) MAFFEO, CARLA E, ROCKVILLE, MARYLAND Epidemiologic survey of oral health in adults.

N01DE-52484-10 (**) YANKELL, SAMUEL L, PHILADELPHIA, PENNSYLVANIA Antiplaques: food additives/other agents--Anticaries.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

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ABRASION OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

ABSCESS, DENTAL
SEE DENTAL ABSCESS

ABSORPTION
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

ABSORPTION OF DIETARY NUTRIENTS
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS

ABSORPTION OF DRUGS
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS

ACANTHOLYSIS BULLOSA
SEE CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA

ACANTHOSIS NIGRICANS
SEE SKIN DISORDERS, ACANTHOSIS NIGRICANS

ACCEPTANCE OF THERAPY
SEE THERAPY COMPLIANCE

ACETAMINOPHEN
SEE PHENYLAMIDES, ACETAMINOPHEN

ACETAZOLAMIDE
SEE SULFONAMIDES, ACETAZOLAMIDE

N-ACETYL-P-AMINOPHENOL
SEE PHENYLAMIDES, ACETAMINOPHEN

ACETYLCHOLINE
SEE CHOLINE, ACETYLCHOLINE

N-ACETYLGLUCOSAMINIDASES
SEE CARBOHYDRASES, N-ACETYLGLUCOSAMINIDASES

N-ACETYLMURAMIDE GLUCANOHYDROLASE
SEE CARBOHYDRASES, LYSOZYME

N-ACETYLNEURAMINIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

ACETYLSALICYLATES
SEE PHENYLCARBOXYLATES, SALICYLATES, ACETYL-

ACID-BASE BALANCE
SEE BODY FLUID BALANCE, ACID-BASE

ACID-FAST BACTERIA
SEE BACTERIA, ACID-FAST BACTERIA*

ACID PHOSPHATASE
SEE PHOSPHOMONOESTERASES, ACID PHOSPHATASE

ACIDS
SEE ACIDS-BASES, ACIDS (GENERAL)

ACIDS-BASES, ACIDS (GENERAL)
SEE ALSO PHOSPHATES
SEE ALSO PHOSPHONATES
SEE ALSO SULFENIC ACIDS
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
P50DE-02731-18 0037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries
** R01DE-05739-03 Fluoride redistribution during in vitro caries formation (human)
** R23DE-06222-03 Weak acid inhibition of oral bacteria (human)

ACIDS-BASES, HYDROGEN-ION CONCENTRATION
SEE ALSO BODY FLUID BALANCE, ACID-BASE
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
** P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

ACOUSTIC IMPEDANCE
SEE PHYSICAL PROPERTIES, SOUND IMPEDANCE

ACRYLIC POLYMERS (RESINS)
SEE PLASTICS, ACRYLIC POLYMERS

ACTASCAN
SEE RADIOGRAPHY, SCANNING, CAT*

ACTIN
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), ACTIN

ACTINOMYCES
SEE BACTERIA, ACTINOMYCETALES, ACTINOMYCES*

ACTINOMYCETACEAE
SEE BACTERIA, ACTINOMYCETALES, ACTINOMYCES*

ACTINOMYCETALES INFECTIONS
SEE BACTERIAL DISEASES, ACTINOMYCETALES INFECTIONS

ACTINOMYCOSIS
SEE BACTERIAL DISEASES, ACTINOMYCETALES INFECTIONS

ACTIVATION OF LYMPHOCYTES
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

ACTIVE IMMUNIZATION
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE

ACTIVE TRANSPORT
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT

ACUTE DISEASES (DISORDERS)
SEE DISEASES, ACUTE (GENERAL)

ACUTE LEUKEMIA
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA, ACUTE

ACUTE TREATMENT, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

ACYCLOVIR
SEE NUCLEOSIDES ANALOGS, ACYCLOVIR

ADAPTATION, EMOTIONAL
SEE PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

ADAPTATION, PSYCHOLOGICAL
SEE PSYCHOLOGICAL ADAPTATION

ADAPTATION, SOCIAL
SEE PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT

ADENINE
SEE PURINES, ADENINE

ADENOIDECTOMY
SEE SURGERY, OTOLARYNGOLOGIC, ADENOIDECTOMY

ADENOIDS
SEE ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS

ADENOSINE DIPHOSPHATE
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP

ADENOSINE MONOPHOSPHATE CYCLIC
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

ADENOSINE TRIPHOSPHATASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ADENOSINE TRIPHOSPHATE
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP

ADENYLATE CYCLASE
SEE NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE

ADHESION
SEE PHYSICAL PROPERTIES, ADHESION

ADHESIVES
SEE CONSUMER PRODUCTS, GLUES AND ADHESIVES
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

ADJUNCT HEALTH (CARE) PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

ADJUSTMENT, EMOTIONAL
SEE PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

ADJUSTMENT, SOCIAL
SEE PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT

ADOLESCENCE
SEE CHILDREN, ADOLESCENCE (12 TO 21 YRS)

ADP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP

ADRENAL CORTEX HORMONES
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)

ADRENAL CORTEX HORMONES, CORTISONE
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
** R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

ADRENAL CORTEX HORMONES, 11-DEOXY-17-HYDROXYCORTICOSTERONE
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)

ADRENAL CORTEX HORMONES, GLUCOCORTICOIDS
** R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)

ADRENAL CORTEX HORMONES, HYDROCORTISONE
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)

ADRENAL CORTEX HORMONES ANALOGS, PREDNISOLONE
** R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)

ADRENAL CORTEX HORMONES ANALOGS, PREDNISONE
** R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)

ADRENALINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE

ADRENERGIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC

ADRENERGIC ALPHA RECEPTOR AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC ALPHA

ADRENERGIC BETA RECEPTOR AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC BETA

ADRENERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS

ADRENERGIC ALPHA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, ALPHA RECEPTORS

ADRENERGIC BETA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS

ADSORPTION
SEE PHYSICAL PROPERTIES, ADSORPTION

ADULT ANIMAL
SEE AGE (ANIMAL), MATURE (ADULT)

ADULTS
SEE AGE (HUMAN), ADULT

AEQUORIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES

AG
SEE METALS, HEAVY METALS, SILVER (COMPOUNDS)

AGAMMAGLOBULINEMIA AS IMMUNE DEFICIENCY DISORDER
SEE IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS

AGB LOCUS (RATS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

AGE (ANIMAL)
P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04227-10 Adaptations to changes in masticatory muscle length (monkeys)
R01DE-05024-06 Craniofacial abnormalities in mice with vitamin D resistant rickets
R01DE-05632-04 Development of salivary gland secretory function (rats)

AGE (ANIMAL), INFANTS
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R01DE-06955-01 Epidermal growth factor and tooth development (mice)

AGE (ANIMAL), INFANTS NEWBORN
R01DE-02110-20 Salivary gland structure and function (mice, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

AGE (ANIMAL), MATURE (ADULT)
R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)

AGE (HUMAN)
SEE ALSO AGE (ANIMAL)
SEE ALSO CHILDREN
SEE ALSO PREGNANCY, EMBRYO-FETUS
SEE ALSO PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)
R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
** R01DE-06485-02 Cemental annulation--Aging in forensic dentistry (human)
R03DE-06690-01 Long-term follow-up of craniofacial injuries
P01DE-06740-01 Human antibody responsiveness and dental caries
R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

AGE (HUMAN), ADULT
SEE ALSO AGING
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)

AGE (HUMAN), ADULT, CENTENARIANS (100 YRS PLUS)
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

AGE (HUMAN), ADULT, MIDDLE AGE (45 TO 64 YRS)
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R23DE-06033-03 Osteoporosis and oral changes in older women
R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
N01DE-42553-00 Epidemiologic survey of oral health in adults

AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)
** R23DE-05827-03 Modifying effects of saliva and age on taste perception
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R23DE-06033-03 Osteoporosis and oral changes in older women
** R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
** P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries
N01DE-42553-00 Epidemiologic survey of oral health in adults

AGE (HUMAN), ADULT, YOUNG (21 TO 44 YRS)
P01DE-02847-16 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
R01DE-05054-06 Periodontal disease--Microbiological studies (human)
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
N01DE-42553-00 Epidemiologic survey of oral health in adults

AGE (HUMAN), CHILDREN
SEE CHILDREN

AGEUSIA
SEE SENSORY-PERCEPTUAL DISORDERS, TASTE DISORDERS

AGGLUTINATION REACTION (AGGLUTININ)
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*

AGGLUTININS
SEE IMMUNOLOGY, ANTIBODIES, AGGLUTININS

AGGLUTININS, PLANT
SEE PLANTS PROTEINS, LECTINS

AGGREGATION, CELLULAR
SEE CELL-CELL INTERACTION, CELL AGGREGATION

AGGRESSIVE OUTREACH
SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

AGING
** P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** R01DE-02342-13 Normal and altered oral mucosa (rats)
P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R01DE-04136-10 Maxillofacial materials--Color study (human)
** R01DE-05905-03 Neural organization of a complex muscle (swine)
** R01DE-06951-01 Study of F actions on human root surface caries

AGING, PREMATURE AGING
R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

AIDS, HEALTH PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

AIR CONDITIONING, HEATING, VENTILATION
SEE ENVIRONMENT CONTROLLED

AIR FLOWMETERS RESPIRATORY
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

AL
SEE METALS, ALUMINUM (COMPOUNDS)

ALBERS-SCHOENBERG DISEASE
SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

ALBUMINS
N01DE-12430-08 Investigation of anticaries vaccine in primates

ALCOHOL CONSUMPTION
SEE ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION

ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION
** R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

ALDEHYDES
P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
** R03DE-07013-01 Absorption of glutaraldehyde from pulpotomy sites (dogs)

ALDEHYDES, FORMALDEHYDE
R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R03DE-06714-01 New approach to fixation of human pulp and dentine
R03DE-07013-01 Absorption of glutaraldehyde from pulpotomy sites (dogs)

ALDITOLS
SEE SUGAR ALCOHOLS

ALERTNESS-VIGILANCE
SEE PSYCHIC ACTIVITY LEVEL, ATTENTION

ALEXIN
SEE IMMUNOLOGY, COMPLEMENT

ALKALINE PHOSPHATASE
SEE PHOSPHOMONOESTERASES, ALKALINE PHOSPHATASE

ALKALOIDS, CANNABIS
R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)

ALKALOIDS, COLCHICINE
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)

ALKALOIDS, MORPHINES
R01DE-05369-06 Factors affecting dental postoperative pain (human)
R03DE-06692-02 Neurohumoral responses to pain and anxiety

ALKYL (GROUPS), METHYLATION-DEMETHYLATION
SEE ALSO ALKYL TRANSFER, TRANSMETHYLATION
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)

N-ALKYLAMINO ACIDS
SEE AMINO ACIDS, N-ALKYLAMINO ACIDS

ALKYL TRANSFER, TRANSMETHYLATION
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)

ALLERGY
SEE HYPERSENSITIVITY (GENERAL)

ALLERGY AND IMMUNOLOGY STUDY SECTION
** R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

ALLIED HEALTH PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

ALLOANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ALLOANTISERA
SEE IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA

ALLOGENEIC TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

ALLOGENIC INHIBITION, ANTISERA
SEE IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA

ALLOGRAFT
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

ALLOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ALLOYS
SEE METALS, ALLOYS

ALPHAHERPESVIRINAE
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

ALPHA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, ALPHA RECEPTORS

ALPHA WAVE (BIOFEEDBACK) CONDITIONING
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

ALTERNATING ELECTRICAL FIELDS
SEE ELECTRICITY-MAGNETISM, ELECTRICAL FIELDS

ALUMINA
SEE METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE

ALUMINUM
SEE METALS, ALUMINUM (COMPOUNDS)

ALUMINUM (COMPOUNDS)
SEE METALS, ALUMINUM (COMPOUNDS)

ALUMINUM OXIDE
SEE METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE

ALVEOLUS, DENTAL
SEE DENTAL STRUCTURE, DENTAL ALVEOLUS

ALVEOLUS, LUNG
SEE RESPIRATORY SYSTEM, LUNG ALVEOLUS

AMALGAM
SEE DENTAL MATERIALS, AMALGAM DENTAL

2-AMBO-ALPHA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

AMELOBLASTS
SEE DENTAL STRUCTURE, AMELOBLASTS

AMERICAN INDIANS
SEE SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS

AMERICAN TYPE CULTURE COLLECTION
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

AMES MUTAGEN TEST
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

AMIDES, UREA
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

AMIDINOHYDROLASES, ARGININE DEIMINASE
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

AMIDOHYDROLASES, PENICILLINASE
** R01DE-06175-02 Beta-lactamases produced by periodontal bacteria

AMIDOTRANSFERASES (AMINOACYLTRANSFERASE)
SEE AMINOACYLTRANSFERASES

AMINE HORMONES
SEE CHOLINE, ACETYLCHOLINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE

(contd).

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SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

AMINES, BIOGENIC, NEURAL
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

AMINES, POLYAMINES
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** R23DE-06040-03 Polyamines and palatal development (rabbits)

AMINO ACIDS
SEE ALSO AMINO ACYL TRNA
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

AMINO ACIDS, N-ALKYLAMINO ACIDS
R01DE-06569-03 Quantitation of enamel demineralization mechanisms

AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA
R01DE-06569-03 Quantitation of enamel demineralization mechanisms

AMINO ACIDS, LEUCINE
R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)

AMINO ACIDS, PHOSPHOSERINE
** R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

AMINO ACIDS, SERINE
SEE ALSO AMINO ACIDS, PHOSPHOSERINE
** R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)

AMINO ACIDS INHIBITORS
** R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)

AMINO ACIDS SEQUENCE
SEE PROTEINS-PEPTIDES STRUCTURE, AMINO ACIDS SEQUENCE

AMINO ACIDS TRANSPORT (GENERAL)
SEE ALSO AMINO ACYL TRNA
R23DE-06174-01 Insulin and protein synthesis in the rat gland

AMINO ACYL TRNA
R23DE-06174-01 Insulin and protein synthesis in the rat gland

AMINOACYLTRANSFERASES
R01DE-02342-13 Normal and altered oral mucosa (rats)

AMINOACYLTRANSFERASES, TRANSGLUTAMINASES
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)

GAMMA-AMINOBUTYRIC ACID
SEE AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID

6-AMINONICOTINAMIDE
SEE PYRIDINAMIDES, NICOTINAMIDE, 6-AMINO-

AMINOPOLYSACCHARIDES
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

AMINO SUGARS
SEE CARBOHYDRATES, AMINO SUGARS

AMITRIPTYLINE
SEE CYCLOHEPTANES, AMITRIPTYLINE

AMMONIA
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins
** P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

AMP CYCLIC
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

AMYLASE
SEE CARBOHYDRASES, AMYLASE

ALPHA-AMYLASE
SEE CARBOHYDRASES, ALPHA-AMYLASE

AMYLO-ALPHA 1,4-GLYCOSIDASE
SEE CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE

ANABOLIC FACTORS
SEE GROWTH FACTORS (INCL ANABOLICS)

ANAEROBES, BACTERIAL
SEE MICROORGANISMS, ANAEROBES

ANAEROBIC MICROORGANISMS
SEE MICROORGANISMS, ANAEROBES

ANALGESIA
SEE SENSORY DEPRESSION, ANALGESIA

ANALGESICS
SEE NEUROPHARMACOLOGICAL AGENTS, ANALGESICS

ANALOGS OF ENZYME SUBSTRATES
SEE ENZYME SUBSTRATE ANALOGS

ANALOGS OF NUCLEOSIDE PHOSPHATES
SEE NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS

ANALOGS OF PEPTIDES
SEE PEPTIDES ANALOGS

ANALOGS OF PROSTAGLANDINS
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS ANALOGS

ANALOGS OF PYRIDOXAL
SEE VITAMINS, VITAMIN B6, PYRIDOXAL ANALOGS

ANALOGS OF URACIL
SEE PYRIMIDINES ANALOGS, URACIL ANALOGS

ANALOGS OF VITAMIN A
SEE VITAMINS, VITAMIN A ANALOGS

ANALYSIS AND/OR EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION

ANATOMY (GENERAL)
SEE MORPHOLOGY (GENERAL)

ANATOMY MICROSCOPIC (HISTOLOGY)
SEE HISTOLOGY (GENERAL)*

ANDROGENS
SEE ANDROSTANE SERIES, ANDROGENS

ANDROSTANE SERIES, ANDROGENS
** P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
** R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)

ANDROSTANE SERIES, TESTOSTERONE
R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)

ANESTHESIA, DENTAL
SEE SENSORY DEPRESSION, ANESTHESIA DENTAL

ANESTHESIA, ELECTROANESTHESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ANESTHESIA, INHALATION
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

ANESTHESIA COMPLICATIONS
SEE DISEASES, COMPLICATIONS, ANESTHESIA RELATED

ANIMAL AGE AND LIFE STAGES
SEE AGE (ANIMAL)

ANIMAL COLONIES, FACILITIES, RESOURCES
** R03DE-06298-02 Oral and skin defects in pupoid fetus (pf/pf) mice

ANIMAL FEEDS
SEE FOOD, ANIMAL FEEDS

ANIMAL MODELS OF HUMAN DISEASES
SEE MODELS, DISEASE MODELS

ANIMALS (SEE SPECIFIC ANIMALS)
SEE AGE (ANIMAL)

ANIMALS, CHORDATES, VERTEBRATE*
SEE ALSO BIRDS*
** P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)

ANION
SEE IONS, ANION

ANOXIA RESPIRATORY
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

ANTAGONISM
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

ANTHROPOLOGY, PHYSICAL
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

ANTHROPOMETRY
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

ANTIBACTERIAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

ANTIBIOTICS
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
** R43DE-07022-01 New controlled release antibiotic delivery systems

ANTIBIOTICS, AMINOGLYCOSIDE ANTIBIOTICS, KANAMYCIN
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)

ANTIBIOTICS, BACTERIOCINS
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06160-02 Maternal transmission of streptococcus mutans (human)

ANTIBIOTICS, CYCLOSPORIN A
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

ANTIBIOTICS, GRAMICIDIN (UNSPECIFIED)
R01DE-06127-02 Acid-base physiology of oral streptococci

ANTIBIOTICS, BETA LACTAMS, CEPHALOSPORIN C
R01DE-06175-02 Beta-lactamases produced by periodontal bacteria

ANTIBIOTICS, BETA-LACTAMS, CEPHALOSPORIN N
R01DE-06175-02 Beta-lactamases produced by periodontal bacteria

ANTIBIOTICS, BETA-LACTAMS, PENICILLIN
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
R01DE-06175-02 Beta-lactamases produced by periodontal bacteria

ANTIBIOTICS, NYSTATIN
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)

ANTIBIOTICS, STREPTOZOTOCIN
R23DE-06174-01 Insulin and protein synthesis in the rat gland

ANTIBIOTICS, TETRACYCLINE
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)

ANTIBIOTICS, VALINOMYCIN
R01DE-02110-20 Salivary gland structure and function (mice, rats)

ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES

ANTIBODIES, BACTERIAL
SEE IMMUNOLOGY, ANTIBODIES BACTERIAL

ANTIBODIES, VIRAL
SEE IMMUNOLOGY, ANTIBODIES VIRAL

ANTIBODY-ANTIGEN REACTIONS
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS

ANTIBODY-ANTIGEN REACTIONS IN VITRO
SEE IMMUNOLOGY, SEROLOGY*

ANTIBODY BIOSYNTHESIS
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY DIVERSITY
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY FORMATION
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY RECEPTORS
SEE IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS

ANTIBODY SPECIFICITY
SEE IMMUNOLOGY, ANTIBODY SPECIFICITY

ANTIBODY STRUCTURE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE

ANTI-CARIES VACCINE
SEE VACCINES, BACTERIAL, ANTI-CARIES VACCINE

(contd)

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**Oriented significantly to above subject.

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ANTICONVULSANTS
SEE NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS

ANTIDROMIC IMPULSES
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION, ANTIDROMIC IMPULSES

ANTIGEN-ANTIBODY REACTIONS
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS

ANTIGEN-ANTIBODY REACTIONS IN VITRO
SEE IMMUNOLOGY, SEROLOGY*

ANTIGENIC DETERMINANTS
SEE IMMUNOLOGY, ANTIGENS

ANTIGENIC DETERMINANTS OF V REGION
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

ANTIGENS
SEE IMMUNOLOGY, ANTIGENS

ANTIGENS BACTERIAL
SEE IMMUNOLOGY, ANTIGENS BACTERIAL

ANTIGENS MICROBIAL
SEE IMMUNOLOGY, ANTIGENS MICROBIAL

ANTIGENS VIRAL
SEE IMMUNOLOGY, ANTIGENS VIRAL

ANTIINFECTIVE AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS

ANTIINFECTIVE AGENTS, ANTIBACTERIAL
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

ANTIINFLAMMATORY AGENTS
SEE DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS

ANTIMICROBIAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS

ANTINUCLEAR FACTORS
SEE IMMUNOPATHOLOGY, AUTOANTIBODIES, ANTINUCLEAR FACTORS

ANTITHROMBIN
SEE BLOOD COAGULATION, ANTITHROMBINS

ANTITHROMBINS
SEE BLOOD COAGULATION, ANTITHROMBINS

ANTIVIRAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

ANTIVIRAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES VIRAL

ANXIETY
SEE PSYCHOLOGY, EMOTIONS, ANXIETY

ANXIETY, DENTAL
SEE DENTAL FEAR AND ANXIETY

APATITES
SEE CALCIUM PHOSPHATES, APATITES

APHTHOUS STOMATITIS
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

AQUORIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

ARACHIDONIC ACID
SEE FATTY ACIDS, UNSATURATED, ARACHIDONIC ACID(S)

ARACHNODACTYLY
SEE METABOLIC DISORDERS INBORN, MARFAN SYNDROME

ARGININE
SEE DIAMINO ACIDS, ARGININE

ARGININE DEIMINASE
SEE AMIDINOHYDROLASES, ARGININE DEIMINASE

AROUSAL
SEE PSYCHIC ACTIVITY LEVEL, AROUSAL

ARTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

ARTERIAL BLOOD PRESSURE
SEE CARDIOVASCULAR FUNCTION, BLOOD PRESSURE

ARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS

ARTHRITIS, RHEUMATOID
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID

ARTHROBACTER
SEE BACTERIA, CORYNEFORM GROUP, ARTHROBACTER*

ARTHROPLASTY
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHROPLASTY

ARTICULAR CARTILAGE
SEE SKELETAL SYSTEM, CARTILAGE, ARTICULAR CARTILAGE

ARTIFICIAL INTELLIGENCE
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

ARTIFICIAL TOOTH SOCKET IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

ASCORBIC ACID
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

ASPARTIC ACID
SEE DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID

ASPIRIN
SEE PHENYLCARBOXYLATES, SALICYLATES, ACETYL-

ASSAY
SEE RADIOASSAY (RADIOMETRY)

ATP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP

ATPASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ATP PHOSPHOHYDROLASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ATP:PYRUVATE PHOSPHOTRANSFERASE
SEE PHOSPHOTRANSFERASES, ATP:PYRUVATE PHOSPHOTRANSFERASE

ATTENTION
SEE PSYCHIC ACTIVITY LEVEL, ATTENTION

ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS

AU
SEE METALS, HEAVY METALS, GOLD (COMPOUNDS)

AUDIOSTIMULUS
SEE EAR, HEARING, AUDIOSTIMULUS

AUDIOVISUAL AIDS
SEE EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS

AUTACOIDS
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS
SEE IMIDAZOLES, HISTAMINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES

AUTOANTIBODIES
SEE IMMUNOPATHOLOGY, AUTOANTIBODIES

AUTOGENIC TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTOGENIC CONDITIONING (TRAINING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

AUTOGRAFT
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTOLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTONOMIC CONDITIONING
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

AUTONOMIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC

AUTONOMY, EMOTIONAL
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

AUTOPROTHROMBIN III
SEE BLOOD COAGULATION, FACTOR X

AUTORADIOGRAPHY
SEE RADIOAUTOGRAPHY*

AUTOTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUXILIARY HEALTH (CARE) PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

AVOIDANCE CONDITIONING
SEE PSYCHOLOGY, CONDITIONING, AVOIDANCE

AXENIC CULTURE
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE, AXENIC CULTURE

AXEROL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

AXONS
SEE NERVOUS SYSTEM, NEURONS, AXONS

AXOPLASMIC TRANSPORT
SEE NERVOUS SYSTEM, NEURONS, NEURONAL TRANSPORT

AZEPINES, BENZODIAZEPINES, DIAZEPAM
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R03DE-06692-02 Neurohumoral responses to pain and anxiety

B LOCUS (CHICKEN)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

B LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

BA
SEE METALS, ALKALINE EARTH METALS, BARIUM (COMPOUNDS)

BABY FOODS
SEE FOOD, INFANT FOODS

BABY TEETH
SEE DENTAL STRUCTURE, TOOTH, DECIDUOUS TEETH

BACILLUS PILIFORMIS
SEE BACTERIA, GRAM-NEGATIVE*

BACILLUS SUBTILIS
SEE BACTERIA, BACILLACEAE, BACILLUS SUBTILIS*

BACTERIA (GENERAL)*
SEE ALSO GENETICS, MICROBIAL, BACTERIAL
SEE ALSO MICROBIAL ORAL FLORA
** P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
** P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
R01DE-05054-06 Periodontal disease--Microbiological studies (human)
R01DE-05623-03 Bacterial products and bone metabolism (rats)
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
** R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
** R03DE-06475-02 Automated immunofluorescent speciation of oral bacteria (rabbits)
** R23DE-06640-02 Neutrophil defects induced by oral bacterial products
** R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
** P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)

BACTERIA, ACID-FAST BACTERIA*
P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)

BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R03DE-06586-02 A genetic approach for study of actinomyces viscosus
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R23DE-06945-02 Identification of microbial lectins (rabbits)
** P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)
P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
** P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries
P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)
N01DE-12430-08 Investigation of anticaries vaccine in primates

BACTERIA, ACTINOMYCETALES, BACTERIONEMA*
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)

BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R23DE-06945-02 Identification of microbial lectins (rabbits)

BACTERIA, BACILLACEAE, BACILLUS SUBTILIS*
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

BACTERIA, BACILLACEAE, CLOSTRIDIUM*
R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

BACTERIA, BACTEROIDACEAE, BACTEROIDES*
R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
** R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R03DE-06453-02 Detection of B gingivalis in plaque by ELISA procedure (human, mammals)
R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
P50DE-04898-08 0002 Periodontal disease research center - Host response in periocontal disease (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)

BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R23DE-06945-02 Identification of microbial lectins (rabbits)
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)

BACTERIA, BRUCELLACEAE, HEMOPHILUS*
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

BACTERIA, CORYNEFORM GROUP, ARTHROBACTER*
P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)

BACTERIA, ENTERIC (GENERAL)*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

BACTERIA, ENTEROBACTERIACEAE, ESCHERICHIA COLI*
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R03DE-06814-01 Transposon mutagenesis of the oral streptococci
P50DE-07003-01 0004 Rochester caries research center Genetics of Streptococcus mutans

BACTERIA, ENTEROBACTERIACEAE, SALMONELLA*
P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resroption

BACTERIA, ENTEROBACTERIACEAE, SALMONELLA TYPHIMURIUM*
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, ENTEROBACTERIACEAE, SERRATIA MARCESCENS*
P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resroption

BACTERIA, GRAM-NEGATIVE*
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
** P50DE-02600-18 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
** R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

BACTERIA, GRAM-POSITIVE*
SEE ALSO BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
SEE ALSO BACTERIA, ACTINOMYCETALES, BACTERIONEMA*
SEE ALSO BACTERIA, STREPTOCOCCACEAE*
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)

BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS*
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-06127-02 Acid-base physiology of oral streptococci
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
N01DE-12430-08 Investigation of anticaries vaccine in primates

BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*
P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)

BACTERIA, MICROCOCCACEAE, STAPHYLOCOCCUS AUREUS*
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, NEISSERIACEAE, VEILLONELLA*
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, PROPIONIBACTERIACEAE, PROPIONIBACTERIUM*
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*
SEE ALSO BACTERIA, PSEUDOMONADALES, VIBRIO*
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)

BACTERIA, PSEUDOMONADALES, VIBRIO*
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, SPIROCHETES*
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05054-05 Periodontal disease--Microbiological studies (human)
P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
** R01DE-05144-05 Periodontal disease--Role of sprochetes (rabbits)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06085-02 Interaction of oral sprochetes with periodontal tissues (human, rats)
** R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)

BACTERIA, SPIROCHETES, LEPTOSPIRA*
R01DE-04645-07 A genetic-biochemical analysis of sprochete motility (mice)

BACTERIA, SPIROCHETES, TREPONEMA*
R01DE-04645-07 A genetic-biochemical analysis of sprochete motility (mice)
P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R03DE-06706-02 Bacterial chemotaxis in oral treponema species

BACTERIA, STREPTOCOCCACEAE*
** R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
** R03DE-06814-01 Transposon mutagenesis of the oral streptococci

BACTERIA, STREPTOCOCCACEAE, LEUCONOSTOC*
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
SEE ALSO BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS
** P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci
** R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
** R01DE-06127-02 Acid-base physiology of oral streptococci
** R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R03DE-06586-02 A genetic approach for study of actinomyces viscosus
P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries
** R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*
R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06127-02 Acid-base physiology of oral streptococci

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subproyects describing specific research aspects
See Appendix for investigator's name and Grant Number

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R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
** P50DE-02670-18 0033 Institute of dental research - Genetic and biochemical basis for S mutans virulence (rats)
** P50DE-02670-18 0040 Institute of dental research - Streptococcus mutans strains common to mother and child
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04278-09 Human saliva-streptococcal metabolic interactions
** R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
** R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
** R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
** R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
** R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
** R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
** R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
** R01DE-06071-01 Calcium metabolism in Streptococcus mutans
** R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-02 Acid-base physiology of oral streptococci
** R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
** R01DE-06160-02 Maternal transmission of streptococcus mutans (human)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R23DE-06945-02 Identification of microbial lectins (rabbits)
** R01DE-06962-01 Surface protein antigens of cariogenic streptococci
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
N01DE-12430-08 Investigation of anticaries vaccine in primates
** N01DE-42551-00 Develop antigens and adjuvants for caries immunity
** N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
P50DE-07009-01 0006 Specialized caries research center - Interactions between root surface plaque and fluoride (human)
R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SANGUIS*
P50DE-02622-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
** R01DE-04224-10 Studies on the genetics of oral microflora (rats)
** R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
** R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06127-02 Acid-base physiology of oral streptococci
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
R03DE-06814-01 Transposon mutagenesis of the oral streptococci
R23DE-06945-02 Identification of microbial lectins (rabbits)
** P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci
R01DE-07257-01 IgA protease and dental caries

BACTERIA, SPIRAL AND CURVED
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

BACTERIAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES BACTERIAL

BACTERIAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL

BACTERIAL CAPSULE
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

BACTERIAL DISEASES
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO TOXICOLOGY, BACTERIAL
** R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
** R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)

BACTERIAL DISEASES, ACTINOMYCETALES INFECTIONS
** R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)

BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL
R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)

BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)
** R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
** R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)

BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

BACTERIAL DNA
SEE NUCLEIC ACIDS, DNA BACTERIAL

BACTERIAL ENDOCARDITIS
SEE HEART DISORDERS, ENDOCARDITIS BACTERIAL

BACTERIAL GENETICS
SEE GENETICS, MICROBIAL, BACTERIAL

BACTERIAL PERMEASES
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES

BACTERIAL POLYSACCHARIDES
SEE POLYSACCHARIDES, BACTERIAL (GENERAL)

BACTERIAL PROTEINS
SEE PROTEINS, BACTERIAL (GENERAL)

BACTERIAL TOXICOLOGY
SEE TOXICOLOGY, BACTERIAL

BACTERIAL TOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)

BACTERIAL VIRUSES
SEE VIRUSES, BACTERIOPHAGE*

BACTERICIDAL DEFENSES OF BODY (GENERAL)
SEE IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)

BACTERICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

BACTERIOCINS
SEE ANTIBIOTICS, BACTERIOCINS

BACTERIOLOGY AND MYCOLOGY STUDY SECTION
** R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03487-13 Inhibition of human cariogenic streptococci
** R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
** R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

BACTERIONEMA
SEE BACTERIA, ACTINOMYCETALES, BACTERIONEMA*

BACTERIOPHAGE
SEE VIRUSES, BACTERIOPHAGE*

BACTERIOTROPINS
SEE IMMUNOLOGY, ANTIBODIES, OPSONINS

BACTEROIDES
SEE BACTERIA, BACTEROIDACEAE, BACTEROIDES*

BACTEROIDES MELANINOGENICUS
SEE BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*

BARIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, BARIUM (COMPOUNDS)

BASEMENT MEMBRANE
SEE MEMBRANE, BASEMENT MEMBRANE

BASES (NUCLEOSIDE, NUCLEOTIDE, NUCLEIC ACID)
SEE NUCLEOBASES

(cont'd)

*Excludes routine methodology OR covers only general project which precludes indexing at the specific level
**Oriented significantly to above subject

III Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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BASOLATERAL AREA (MEMBRANE)
SEE CELL COMPONENTS, CELL MEMBRANE, BASOLATERAL AREA

BASOPHIL CHEMOTACTIC FACTOR (BCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

BEHAVIOR
SEE PSYCHOLOGY, BEHAVIOR

BEHAVIOR MODIFICATION (PSYCHOTHERAPY)
SEE PSYCHOTHERAPY, BEHAVIOR MODIFICATION

BEHAVIOR PREDICTION
SEE PSYCHOLOGY, BEHAVIOR PREDICTION

BEHAVIOR THERAPY
SEE PSYCHOTHERAPY, BEHAVIOR MODIFICATION

BEHAVIORAL MEDICINE
SEE ALSO HEALTH CARE SERVICES, PATIENT PROFESSIONAL RELATIONS
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE ALSO PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL
SEE ALSO PSYCHOPHYSIOLOGIC DISORDERS
SEE ALSO PSYCHOTHERAPY, BEHAVIOR MODIFICATION
SEE ALSO THERAPY COMPLIANCE
R01DE-04358-08 Treatment of temporomandibular joint pain
R01DE-04494-07 Control of stress during dental procedures (human)
** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
** R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R23DE-06207-02 Patient response to student dentists affective behavior
** R23DE-06208-01 Preventive services adoption in private dental practices
** R01DE-06219-02 Facial behavior related to acute dental pain (human)
** R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R01DE-06417-01 Factors influencing long-term oral self-care (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-01 Child desensitization for dental visits (human)
** R01DE-06895-01 Implementing preventive dental programs in schools
** R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)

BEHAVIORAL MEDICINE STUDY SECTION
** R01DE-03868-09 Children's acceptance of caries preventive procedures
** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
** R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
** R01DE-05913-03 Experiments in management of fearful children (human)
** R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R23DE-06207-02 Patient response to student dentists affective behavior
** R23DE-06208-01 Preventive services adoption in private dental practices
** R01DE-06219-02 Facial behavior related to acute dental pain (human)
** R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R01DE-06417-01 Factors influencing long-term oral self-care (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-01 Child desensitization for dental visits (human)
** R01DE-06895-01 Implementing preventive dental programs in schools

BEHAVIORAL MODELS
SEE MODELS, PSYCHOLOGICAL MODELS

BENZOATES
SEE PHENYLCARBOXYLATES, BENZOATES

BENZOIC ACID, BENZOATES
SEE PHENYLCARBOXYLATES, BENZOATES

BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

BENZOPYRROLES, SEROTONIN
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

BETA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS

BETAHERPESVIRINAE
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

BEVERAGES
SEE FOOD, BEVERAGES

BICARBONATES
SEE CARBONATES, BICARBONATES

BINDING (CHEMICAL)
SEE CHEMICAL BONDS, BINDING AND BINDING SITES

BINDING PROTEINS
SEE PROTEIN BINDING

BINDING REAGENTS
SEE METAL COMPLEXES, LIGANDS

BINDING SITES
SEE CHEMICAL BONDS, BINDING AND BINDING SITES

BIOAVAILABILITY OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

BIOBEHAVIOR STUDIES (NEUROLOGICAL ASPECTS)
SEE NEUROPSYCHOLOGY (GENERAL)*

BIOBEHAVIOR STUDIES (OTHER THAN NEUROPSYCHOLOGY)
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

BIOCHEMICAL ENDOCRINOLOGY STUDY SECTION
** R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)

BIOCHEMICAL PHARMACOLOGY
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

BIOCHEMISTRY (GENERAL)*
SEE ALSO BIOCHEMISTRY STUDY SECTION
SEE ALSO HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*
SEE ALSO IMMUNOCHEMISTRY
SEE ALSO MOLECULAR BIOLOGY (GENERAL)
SEE ALSO NEUROCHEMISTRY
SEE ALSO PATHOBIOCHEMISTRY STUDY SECTION
SEE ALSO PHOTOCHEMISTRY
SEE ALSO PHYSIOLOGICAL CHEMISTRY STUDY SECTION
P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
** P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and mineralization assoc virus infected cells (chick embryo)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
** R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)

BIOCHEMISTRY STUDY SECTION
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
** R01DE-05956-04 The adhesive of Mytilus byssus

BIOCYBERNETICS
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

BIOCYBERNETICS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

BIODEGRADATION, BIOTRANSFORMATION (METABOLISM)
SEE METABOLISM, BIOTRANSFORMATION

BIOELECTRICITY
SEE ELECTROPHYSIOLOGY

BIOENERGETICS
SEE ALSO MUSCLE METABOLISM
SEE ALSO OXIDATION-REDUCTION
SEE ALSO PHOTOCHEMISTRY
R01DE-02953-13 The developmental biology of calcified tissues (rats)

BIOENGINEERING
SEE BIOMEDICAL ENGINEERING

BIOEQUIVALENCE OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

BIOFEEDBACK CONDITIONING (TRAINING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

BIOGENIC AMINES, NEURAL
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

BIOHAZARDS OF ORGANISMS OR THEIR PRODUCTS, AND THEIR CONTROL
SEE INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)

BIOLOGICAL BASIS OF BEHAVIOR (NEUROLOGICAL ASPECTS)
SEE NEUROPSYCHOLOGY (GENERAL)*

BIOLOGICAL BASIS (CORRELATES) OF BEHAVIOR
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

BIOLOGICAL CONTROL AND PROCESSING OF INFORMATION
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

BIOLOGICAL MODELS
SEE MODELS, BIOLOGICAL

BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
** R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

BIOLOGICAL STRESS
SEE STRESS

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELL INGESTION, PINOCYTOSIS
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CALCIUM PUMP
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06071-01 Calcium metabolism in Streptococcus mutans
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CHLORIDE PUMP
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, POTASSIUM PUMP
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM PUMP
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number

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R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM-POTASSIUM PUMP
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)

BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
** R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)

BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)
** R01DE-02110-20 Salivary gland structure and function (mice, rats)
** P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R01DE-05769-06 Ultrastructure of tooth development (rats)
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06127-02 Acid-base physiology of oral streptococci
** R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)
R01DE-06951-01 Study of F actions on human root surface caries

BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
SEE ALSO ANTIBIOTICS, GRAMICIDIN (UNSPECIFIED)
SEE ALSO ANTIBIOTICS, VALINOMYCIN
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)

BIOLOGICAL TRANSPORT, MEMBRANE MODELS, LIPOSOMES
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06071-01 Calcium metabolism in Streptococcus mutans
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
N01DE-42551-00 Develop antigens and adjuvants for carries immunity

BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
SEE ALSO MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE
SEE ALSO PREGNANCY CIRCULATION, PLACENTAL TRANSFER
R01DE-02110-20 Salivary gland structure and function (mice, rats)
** P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
** P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
** R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
** R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R23DE-06174-01 Insulin and protein synthesis in the rat gland
** R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS
SEE ALSO ORAL-PHARYNGEAL, SALIVATION
** R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
** P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
** P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
** P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
** R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05249-05 Salivary secretion - role of calcium (mice)
** R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
** R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06165-02 Cell biology of periodontal ligament fibroblast
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
** R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
** R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)
R01DE-06955-01 Epidermal growth factor and tooth development (mice)
** R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION
** P01DE-01850-21 0075 Nutritional sources and metabolic roles of fluoride - Metabolic handling of perfluorooctanoic acid (rats)
P01DE-01850-21 0090 Nutritional sources and metabolic roles of fluoride - Effect of skeletal fluoride load on retention of administered fluoride (rats)

BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria

BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-06071-01 Calcium metabolism in Streptococcus mutans

BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO PROTEIN BINDING
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
R01DE-06071-01 Calcium metabolism in Streptococcus mutans
** R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans

BIOLOGICALS RESOURCES
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

BIOLOGY (GENERAL)*
SEE ALSO IMMUNOBIOLOGY STUDY SECTION
SEE ALSO MORPHOLOGY (GENERAL)
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
** R13DE-06711-01 International workshop on the biology of dentin and pulp (North Carolina)

BIOLOGY, POLYMORPHISM
** R01DE-03658-20 Genetic polymorphisms of saliva (human)

BIOLOGY, SYSTEMATIC
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
** R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

BIOLOGY, SYSTEMATIC, EVOLUTION AND PHYLOGENY
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)

BIOLOGY, SYSTEMATIC, GENETIC STRAINS
SEE ALSO GENETICS, POPULATION GENETICS, GENE FREQUENCIES
P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
** P50DE-02670-18 0040 Institute of dental research - Streptococcus mutans strains common to mother and child
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
** R03DE-06298-02 Oral and skin defects in pupoid fetus (pf/pf) mice
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
** R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci
** N01DE-42500-02 Microbiological information system

BIOLOGY, SYSTEMATIC, SPECIES
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R03DE-06475-02 Automated immunofluorescent speciation of oral bacteria (rabbits)

BIOMATERIALS
SEE ALSO DENTAL MATERIALS
SEE ALSO ORAL-FACIAL RESTORATION MATERIALS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
** R13DE-06873-01 Second world congress on biomaterials (Washington, D C)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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BIOMATERIALS, BIOMATERIALS EVALUATION
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** P50DE-02668-18 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** R01DE-04516-06 Corrosion and clinical behavior of dental amalgan:
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-05321-05 Titanium alloys in dentistry
R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
** R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
** R01DE-05940-03 Chemical stability of low nobility dental alloys
R01DE-05945-03 Physicochemical modifications of dental restoratives
** R01DE-05952-03 Comparison of clinical evaluation methods for amalgam (human)
** R01DE-05980-01 Stress analysis of mandibular partial dentures
R01DE-06112-04 Filled sealant as a conservative restorative material (human)
R01DE-06170-02 Radiopaque restorative and prosthetic dental resins
** R01DE-06374-03 Semi- and nonprecious metal-procelain systems
R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R03DE-06466-02 Clinical study of composite resin-tooth interface
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
R01DE-06563-02 Microstructure vs. deterioration of amalgam restorations
** R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
** R03DE-06675-01 Biological evaluation of a new dental cement (rats)
** R01DE-06720-01 Resistance of various restorative materials
** R01DE-06762-01 Development of an advanced artificial oral environment
R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)
** R03DE-06816-01 Toward revising the standard tests for orthodontic wire
** R03DE-07045-01 Fatigue of ceramics in a simulated oral environment
** R43DE-07050-01 Improved dental composite filling materials

BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** R01DE-04136-10 Maxillofacial materials--Color study (human)
R01DE-05980-01 Stress analysis of mandibular partial dentures
R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
R01DE-06994-01 Palladium containing dental amalgam

BIOMATERIALS, INTERFACIAL PHENOMENA
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)
** R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin

BIOMATERIALS EVALUATION
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

BIOMATERIALS DESIGN
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

BIOMATERIALS IMPLANTS AND COMPATIBILITY
** R03DE-06675-01 Biological evaluation of a new dental cement (rats)
** P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

BIOMATERIAL-TISSUE SURFACE INTERACTIONS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

BIOMECHANICS
SEE BIOPHYSICS, BIOMECHANICS

BIOMEDICAL DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

BIOMEDICAL ENGINEERING
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-03953-10 Force systems from orthodontic appliances
R01DE-05321-05 Titanium alloys in dentistry
R03DE-06816-01 Toward revising the standard tests for orthodontic wire

BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED
** R01DE-05761-05 Improved dental instruments and materials
R01DE-06379-02 Dental xeroradiography--Clinical investigaiton
** R03DE-06456-01 Sterilization effectiveness using glow discharge methods
** R44DE-06779-02 Evaluation of a new automated periodontal probe
** R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)
** R43DE-06932-01 Periodontal temperature probe
** R03DE-06969-01 Real time high resolution dental microradiography
P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
** R03DE-07019-01 Ultrasonic detection of oral markers (human)

BIOMEDICAL ENGINEERING, INSTRUMENTATION NOT CLINICALLY ORIENTED
** R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)

BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

BIOMEDICAL REGISTRIES AND REFERRAL CENTERS
SEE ALSO HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES
SEE ALSO TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
M P01DE-05837-04 Growth, surgical, and speech aspects of cleft palate
** P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

BIOMEDICAL RESEARCH
SEE HEALTH SCIENCES RESEARCH (GENERAL)*

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray
R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray
R01DE-06720-01 Resistance of various restorative materials

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
** P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)
M P50DE-02600-18 Support for oral biology research center
M P50DE-02623-17 Center for oral health research
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-02862-17 Growth and development of the human head
R01DE-03703-08 Integrated three-dimensional craniofacial measurement (human)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride

BIOMEDICAL SYSTEMS AUTOMATED, ELECTRONIC RECORDING SYSTEMS
R44DE-06779-02 Evaluation of a new automated periodontal probe

BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS
** P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data

BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING
** R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
** P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

BIOMETRY
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

BIO-ORGANIC AND NATURAL PRODUCTS CHEMISTRY STUDY SECTION
** R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent

BIOPERIODICITY, CIRCADIAN RHYTHMS
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)

BIOPHYSICS, BIOMECHANICS
R01DE-05321-05 Titanium alloys in dentistry
R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
** R03DE-06817-01 Maxillary expansion using laser speckiegrammetry (human)
P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)

BIOPHYSICS AND BIOPHYSICAL CHEMISTRY A STUDY SECTION
SEE MOLECULAR AND CELLULAR BIOPHYSICS STUDY SECTION

BIOPSYCHOLOGY STUDIES (NEUROLOGICAL ASPECTS)
SEE NEUROPSYCHOLOGY (GENERAL)*

BIOPSYCHOLOGY STUDIES (NON-NEUROLOGICAL ASPECTS)
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

BIOSTATISTICS
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

BIOSYNTHESIS OF CARBOHYDRATES
SEE CARBOHYDRATES BIOSYNTHESIS

BIOSYNTHESIS OF HORMONES
SEE ENDOCRINOLOGY, HORMONES BIOSYNTHESIS

BIOSYNTHESIS OF IMMUNOGLOBULIN
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS

BIOSYNTHESIS OF LIPIDS
SEE LIPIDS METABOLISM, LIPOGENESIS

BIOSYNTHESIS OF LIPOPROTEINS
SEE LIPOPROTEINS BIOSYNTHESIS

BIOSYNTHESIS OF MEMBRANES
SEE MEMBRANE SYNTHESIS AND RECONSTITUTION

BIOSYNTHESIS OF NUCLEIC ACIDS
SEE NUCLEIC ACIDS SYNTHESIS

BIOSYNTHESIS OF PROTEINS
SEE PROTEINS BIOSYNTHESIS

BIOTRANSFORMATION (METABOLISM)
SEE METABOLISM, BIOTRANSFORMATION

BIRDS*
SEE ALSO FOOD, POULTRY PRODUCTS
** R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

BIREFRINGENCE
SEE OPTICS, BIREFRINGENCE*

BIRTH CONTROL
SEE PREGNANCY

BIRTH ORDER
SEE FAMILY, SIBLING ORDER

BIRTH WEIGHT (HUMAN)
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

BITE
SEE DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

BITING STRENGTH (FORCE)
SEE DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

BIVALVES
SEE MOLLUSKS, PELECYPODS*

BLACK RACE
SEE SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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BLASTEMA
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS, BLASTEMA

BLASTODERM
SEE EMBRYOLOGY, GERM LAYERS

BLOOD
SEE BLOOD AND RE SYSTEM, BLOOD*

BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, LEUKOPENIA
** P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)

BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, PHAGOCYTE DYSFUNCTION (GENERAL)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
** R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)

BLOOD AND RE SYSTEM, BLOOD*
SEE ALSO BLOOD AND RE SYSTEM, HEMATOPOIESIS
SEE ALSO BLOOD CELLS
SEE ALSO BLOOD PROTEINS
SEE ALSO CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
R01DE-12430-08 Investigation of anticaries vaccine in primates

BLOOD AND RE SYSTEM, BLOOD, PLASMA
** P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)
P01DE-01850-21 0088 Nutritional sources and metabolic roles of fluoride - Determining ionic fluoride content of human plasma
P01DE-06946-01 0013 Pathophysiology of MPD and other facial pain syndromes - Beta-endorphin levels in MPD syndrome patients (human)

BLOOD AND RE SYSTEM, BLOOD, SERUM
SEE ALSO IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
SEE ALSO IMMUNOLOGY, SEROLOGY*
P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
** P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)

BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)

BLOOD AND RE SYSTEM, HEMATOPOIESIS
R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)

BLOOD AND RE SYSTEM, HEMATOPOIETIC TISSUE TRANSPLANTATION
SEE ALSO BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)

BLOOD AND RE SYSTEM, LYMPHATIC TISSUE
SEE ALSO BLOOD AND RE SYSTEM, THYMUS
SEE ALSO ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS
** R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)

BLOOD AND RE SYSTEM, MACROPHAGES
P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resorption
** P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
** R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
** R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO BLOOD CELLS, MONOCYTES
R01DE-06860-01 Complement monocyte interactions in periodontal disease

BLOOD AND RE SYSTEM, SPLEEN TISSUE (CELLS) TRANSPLANTATION
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)

BLOOD AND RE SYSTEM, THYMUS
R01DE-05C08-06 Genetic basis of drug-induced cleft palate (mice, rats)

BLOOD BACTERICIDAL ACTIVITY (GENERAL)
SEE IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)

BLOOD CELL FORMATION
SEE BLOOD AND RE SYSTEM, HEMATOPOIESIS

BLOOD CELLS
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)

BLOOD CELLS, ERYTHROCYTES
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

BLOOD CELLS, LEUKOCYTES
SEE ALSO BLOOD CELLS, LYMPHOCYTES
SEE ALSO BLOOD CELLS, MONOCYTES
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06860-01 Complement monocyte interactions in periodontal disease
R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis

BLOOD CELLS, LEUKOCYTES, GRANULOCYTES (GENERAL)
** P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)

BLOOD CELLS, LEUKOCYTES, NEUTROPHILS
** P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
** P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
** P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
** R23DE-06436-03 Periodontosis--Characterization of the neutrophil defect (human)
** R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
** R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
** R23DE-06640-02 Neutrophil defects induced by oral bacterial products
** R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

BLOOD CELLS, LYMPHOCYTES
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES
P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resorption
** P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
R01DE-06860-01 Complement monocyte interactions in periodontal disease

BLOOD CELLS, LYMPHOCYTES, KILLER CELLS
** R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis

BLOOD CELLS, B LYMPHOCYTES
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
** P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02623-17 0036 Center for oral health research - Cellular aspects of the murine IgA response
** P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
** R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)

BLOOD CELLS, T LYMPHOCYTES
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
** P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02623-17 0036 Center for oral health research - Cellular aspects of the murine IgA response
** P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04743-07 Secretory immune response and S mutans glucosyltransferase (mammals)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)

BLOOD CELLS, T LYMPHOCYTES, HELPER
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)

BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)

BLOOD CELLS, MONOCYTES
** P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)

(contd)

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R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R03DE-06681-02 Electron microprobe study of bone resorption (rats)
** R01DE-06860-01 Complement monocyte interactions in periodontal disease

BLOOD CHEMISTRY
SEE CHEMISTRY, CLINICAL, BLOOD

BLOOD CIRCULATION DYNAMICS
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)

BLOOD CIRCULATORY SYSTEMS
SEE SKELETAL SYSTEM CIRCULATION

BLOOD COAGULATION, ANTITHROMBINS
** P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, FACTOR X
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, FIBRINOGEN
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)

BLOOD COAGULATION, LYSOKINASE
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

BLOOD COAGULATION, PROTHROMBIN
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
** P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, THROMBIN
** P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
** P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

BLOOD FLOW
SEE CARDIOVASCULAR FUNCTION, BLOOD FLOW

BLOOD PLATELETS
SEE ALSO GROWTH FACTORS (INCL ANABOLICS), PLATELET DERIVED GROWTH FACTOR
** P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

BLOOD PLATELETS, PLATELET ACTIVATING FACTOR
SEE ALSO FATTY ACIDS, UNSATURATED, THROMBOXANES
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)

BLOOD PLATELETS DEFECTS QUALITATIVE
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)

BLOOD PRESSURE
SEE CARDIOVASCULAR FUNCTION, BLOOD PRESSURE

BLOOD PROTEINS
SEE ALSO IMMUNOLOGY, COMPLEMENT
P01DE-01850-21 0075 Nutritional sources and metabolic roles of fluoride - Metabolic handling of perfluorooctanoic acid (rats)
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)

BLOOD STASIS
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

BLOOD SUPPLY
SEE CARDIOVASCULAR SYSTEM, BLOOD SUPPLY

BLOOD TOXICOLOGY, HEMOLYSINS
P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci

BODY CAVITIES, PERITONEUM
R03DE-06675-01 Biological evaluation of a new dental cement (rats)

BODY FLUIDS, HYALINE SUBSTANCE
R23DE-06118-02 Acquired defects of the jaw joint (TMJ) - A model system (chickens, rabbits)

BODY FLUIDS, MILK
P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
** R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)

BODY FLUID BALANCE, ACID-BASE
SEE ALSO ACIDS-BASES, HYDROGEN-ION CONCENTRATION
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** R01DE-06127-02 Acid-base physiology of oral streptococci
** R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)
** P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)
** P50DE-07010-01 0002 Specialized caries research center - Influence of plaque pH on mineralization

BODY FLUID BALANCE, EDEMA
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)

BODY FLUID BALANCE, IONIC
SEE ALSO BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
SEE ALSO BODY FLUID BALANCE, ACID-BASE
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

BODY IMAGE
SEE SENSORY-PERCEPTUAL PROCESSES, BODY IMAGE

BODY MOVEMENT SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO SKELETAL DISORDERS DIAGNOSIS (INCL EXAMS)*
M P01DE-03610-18 Craniofacial growth and development
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT
SEE ALSO GROWTH AND DEVELOPMENT
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
** R01DE-02862-17 Growth and development of the human head
P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data
** P01DE-02672-15 0062 Center for craniofacial anomalies - Growth studies
** P01DE-03568-10 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-10 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
** P01DE-03568-10 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
** R01DE-03703-08 Integrated three-dimensional craniofacial measurement (human)
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
** P01DE-06946-01 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint

BODY POSITION SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

BODY REGIONS, HEAD
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO INJURIES, HEAD AND NECK
SEE ALSO NEOPLASMS OF BODY REGIONS, HEAD AND NECK
SEE ALSO SKELETAL MOVEMENT, HEAD MOVEMENT
SEE ALSO SKELETAL SYSTEM, SKULL
R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
** R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

BODY REGIONS, HEAD, FACE
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO NASAL, NOSE
SEE ALSO ORAL-FACIAL RESTORATION
** P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
** P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
** P50DE-02668-18 0197 Regional dental research center - Peripheral nerves of the orofacial region
** R01DE-02862-17 Growth and development of the human head
M P01DE-03610-18 Craniofacial growth and development
** P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
** R01DE-03703-08 Integrated three-dimensional craniofacial measurement (human)
** R01DE-04531-07 Strain in the facial bones (monkeys)
** R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
** R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
** R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

BODY SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

BODY WEIGHT
SEE BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT

BOND CLEAVAGE
SEE CHEMICAL BONDS, BOND CLEAVAGE

BOND FORMATION
SEE CHEMICAL BONDS, BOND FORMATION

BONDING
SEE DENTAL MATERIALS, BONDING

BONDS
SEE CHEMICAL BONDS

BONE
SEE SKELETAL SYSTEM, BONE

BONE AND CARTILAGE CONGENITAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)

BONE BANK
SEE SKELETAL TISSUE PRESERVATION, BONE

BONE CELLS
SEE SKELETAL SYSTEM, BONE CELLS

BONE CIRCULATION
SEE SKELETAL SYSTEM CIRCULATION

BONE DENSITY
SEE SKELETAL SYSTEM, BONE DENSITY

BONE DEVELOPMENT
SEE SKELETAL SYSTEM, BONE DEVELOPMENT

BONE DEVELOPMENT DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)

BONE DISORDERS
SEE SKELETAL DISORDERS, BONE DISORDERS (GENERAL)

BONE DISORDERS, METABOLIC (GENERAL)
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

BONE FRACTURES
SEE INJURIES, FRACTURES

BONE MARROW LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

BONE MARROW TRANSPLANTATION
SEE BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION

BONE METABOLISM DISORDERS (GENERAL)
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

BONE MINERALIZATION
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

BONE NEOPLASMS
SEE NEOPLASMS OF SKELETAL SYSTEM, BONE NEOPLASMS

BONE PRESERVATION
SEE SKELETAL TISSUE PRESERVATION, BONE

BONE REGENERATION
SEE SKELETAL SYSTEM REGENERATION, BONE REGENERATION

BONE RESORPTION, TEETH
SEE DENTAL DISORDERS, TOOTH RESORPTION

BONE RESORPTION ABNORMAL
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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BONE RESORPTION INHIBITORS
SEE CALCIFICATION ENHANCING AGENTS

BONE RESORPTION-REMODELING PHYSIOLOGIC
SEE SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC

BONE STRESS
SEE SKELETAL STRESS

BONE TRANSPLANTATION
SEE SKELETAL TISSUE TRANSPLANTATION, BONE

BRADYKININ
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9

BRAIN, BRAIN STEM
SEE ALSO BRAIN, MEDULLA OBLONGATA
SEE ALSO BRAIN, PONS
SEE ALSO BRAIN, RETICULAR FORMATION
** R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
** P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
** R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
** R01DE-06682-02 CNS modulation of orofacial input (rats, cats)

BRAIN, CEREBRAL CORTEX
SEE ALSO BRAIN ELECTRICAL ACTIVITY
** P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)

BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
** P50DE-02668-18 0199 Regional dental research center - Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri
** P50DE-02668-18 0200 Regional dental research center - Response of mechanoreceptive afferents to moving tactile stimuli (monkeys, human)
** P50DE-02668-18 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)

BRAIN, HYPOTHALAMUS
R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)

BRAIN, MEDULLA OBLONGATA
R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

BRAIN, MESENCEPHALON
R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)

BRAIN, MESENCEPHALON, RAPHE NUCLEUS, DORSAL
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)

BRAIN, PONS
R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

BRAIN, PONS, TRIGEMINAL NUCLEUS (SPINAL)
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
** R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
** R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
R23DE-06554-02 Organization of cortical tooth representations (monkeys)
** R01DE-06682-02 CNS modulation of orofacial input (rats, cats)
** R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)

BRAIN, RETICULAR FORMATION
** R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

BRAIN, THALAMUS
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
R23DE-06554-02 Organization of cortical tooth representations (monkeys)

BRAIN ELECTRICAL ACTIVITY
** P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and otofacial pain in man
** P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)

BRAIN NEUROREGULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

BRAIN OSCILLOGRAPHY
SEE BRAIN ELECTRICAL ACTIVITY

BRAIN PEPTIDES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

BRAIN STEM
SEE BRAIN, BRAIN STEM

BREATHING
SEE RESPIRATORY FUNCTION, RESPIRATION

BRITTLE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

BRUXISM
SEE DENTISTRY, BRUXISM

BUCCAL CAVITY
SEE ORAL-PHARYNGEAL, MOUTH

BULIMIA
SEE NUTRIENT INTAKE DISORDERS, BULIMIA

BURSA DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, HUMORAL IMMUNITY

C'
SEE IMMUNOLOGY, COMPLEMENT

C DOMAINS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

C GENE
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

C-PEPTIDE
SEE PANCREAS HORMONES, INSULIN

C3 CONVERTASE (C2-C4)
SEE IMMUNOLOGY, COMPLEMENT

C3 FRACTIONS AS CHEMOTACTIC FACTORS
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

C5 FRACTIONS AS CHEMOTACTIC FACTORS
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

CA
SEE CALCIUM

CADMIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, CADMIUM (COMPOUNDS)

CAFFEINE
SEE PURINES, XANTHINES, CAFFEINE

CALCIFICATION, DENTAL PULP
SEE DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION

CALCIFICATION ENHANCING AGENTS
SEE ALSO THYROID HORMONES, (THYRO)CALCITONIN
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06564-03 Remineralization of enamel caries in vitro (human)
R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
R01DE-06761-01 Prevention of surface zone limited caries of enamel
R03DE-06803-01 Intermicroscopic correlation of remineralization
R03DE-06907-01 Osteogenic potential of DBP and hydroxyapatite in dogs

CALCIFICATION INHIBITORS
R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)

CALCIFICATION PATHOLOGIC
SEE CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC

CALCIFICATION PHYSIOLOGIC
SEE CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC

CALCINURIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCINOSIS
SEE CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC

CALCITONIN
SEE THYROID HORMONES, (THYRO)CALCITONIN

CALCIUM
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
P50DE-02670-18 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-04385-09 Mechanism of dental caries (human)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
** R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent
** R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)

CALCIUM, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM

CALCIUM BINDING PROTEINS
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCIUM DEPENDENT REGULATOR PROTEIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCIUM METABOLISM DISORDERS
SEE CALCIUM (MINERAL) IMBALANCES

CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
** P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
P50DE-02668-18 0215 Regional dental research center - Osteopenia--Fators influencing development and recovery (rats)
** R01DE-03223-14 Kinetics of mineralization of teeth (human)
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
** R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-05780-03 Development and mineralization of enamel in teeth
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06071-01 Calcium metabolism in Streptococcus mutans
R23DE-06174-01 Insulin and protein synthesis in the rat gland
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
R03DE-06681-02 Electron microprobe study of bone resorption (rats)
R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
R03DE-06937-01 Structure-activity of polycarboxylate absorption by hydroxyapatite
R01DE-06951-01 Study of F actions on human root surface caries
N01DE-12430-08 Investigation of anticaries vaccine in primates

CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC
SEE ALSO DENTAL DEVELOPMENT, DENTINOGENESIS
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL
** R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
** R01DE-02953-13 The developmental biology of calcified tissues (rats)
** R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
** R01DE-05262-05 Mineralization in oral biology (mice, rats)
** R01DE-05769-06 Ultrastructure of tooth development (rats)
** R01DE-05932-04 Role of lipoproteins in microbial calcification
** R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R01DE-06761-01 Prevention of surface zone limited caries of enamel
** R03DE-06803-01 Intermicroscopic correlation of remineralization
** R23DE-06829-02 Acid-etching and remineralization of enamel caries in vitro
P50DE-07010-01 0002 Specialized caries research center - Influence of plaque pH on mineralization

CALCIUM (MINERAL) BALANCE, DECALCIFICATION PHYSIOLOGIC
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
** R01DE-06569-03 Quantitation of enamel demineralization mechanisms

CALCIUM (MINERAL) BALANCE, PHOSPHORUS BALANCE (METABOLISM)
P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

CALCIUM (MINERAL) IMBALANCES
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
SEE ALSO SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat

CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC
SEE ALSO SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
** R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-05262-05 Mineralization in oral biology (mice, rats)
R03DE-06803-01 Intermicroscopic correlation of remineralization

CALCIUM (MINERAL) IMBALANCES, DECALCIFICATION PATHOLOGIC
SEE ALSO SKELETAL DISORDERS, BONE RESORPTION ABNORMAL
** P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
** P50DE-07010-01 0002 Specialized caries research center - Influence of plaque pH on mineralization
P50DE-07010-01 0004 Specialized caries research center - Carbohydrates in root caries

CALCIUM PHOSPHATE CRYSTALLIZATION ENHANCERS
SEE CALCIFICATION ENHANCING AGENTS

CALCIUM PHOSPHATE CRYSTALLIZATION INHIBITORS
SEE CALCIFICATION INHIBITORS

CALCIUM PHOSPHATES
** P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
** R01DE-03223-14 Kinetics of mineralization of teeth (human)
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
** R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
** R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)

CALCIUM PHOSPHATES, APATITES
** R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
** R01DE-03187-13 Transport in enamel and solubility of enamel (human)
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04705-05 Reactions of titanium fluoride with hydroxapatite
R01DE-05067-06 Interaction of topical fluoride with human enamel (hamsters)
R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)

CALCIUM PHOSPHATES, HYDROXYAPATITE
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-04385-09 Mechanism of dental caries (human)
** R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
** R01DE-04705-05 Reactions of titanium fluoride with hydroxapatite
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R23DE-05893-03 Structural modulation of enamel pellicle formation
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
R01DE-05932-04 Role of lipoproteins in microbial calcification
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06127-02 Acid-base physiology of oral streptococci
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
** R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-01 Prot... antigens of Strep mutans in caries immunity (mice, rabbits)
** R03DE-06907-01 Osteogenic potential of DBP and hydroxylapatite in dogs
** R03DE-06937-01 Structure-activity of polycarboxylate absorption by hydroxyapatite
P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents

CALCIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CALCIUM PUMP

CALCULI DISSOLVING AGENTS
SEE ALSO CALCIFICATION INHIBITORS
R01DE-03223-14 Kinetics of mineralization of teeth (human)

CALCULUS, DENTAL
SEE DENTAL DEPOSITS

CALMODULIN
SEE PROTEINS, CALCIUM BINDING PROTEINS, CALMODULIN

CALORIC CONTENT (OF FOODS)
SEE NUTRITION, DIETARY CONSTITUENTS, CALORIC CONTENT

CALORIC STIMULATION
SEE TEMPERATURE, HEAT, CALORIC STIMULATION

CALVARIUM
SEE SKELETAL SYSTEM, SKULL

CAMPYLOBACTER
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

CANCER AND FOODS
SEE NEOPLASTIC DISEASE, NUTRITIONAL THERAPY OF CANCER

CANCER CHEMOTHERAPY
SEE NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY

CANCER COMPLICATIONS, INFECTIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS

CANCER COMPLICATIONS, NON-INFECTIOUS
SEE NEOPLASMS, CANCER COMPLICATIONS OF

CANCER DIAGNOSIS
SEE NEOPLASMS DIAGNOSIS

CANCER EPIDEMIOLOGY
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

CANCER IMMUNODIAGNOSIS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

CANCER PATIENTS, DISEASE COMPLICATIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF

CANCER PREVENTION AND CONTROL (GENERAL)
SEE NEOPLASMS PREVENTION AND CONTROL

CANCER RADIOTHERAPY
SEE NEOPLASTIC THERAPY, CANCER RADIOTHERAPY

CANCER RISK
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK

CANCER SURVIVAL RATES
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

CANCER THERAPY, NUTRITIONAL
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

CANDIDA ALBICANS
SEE FUNGI, YEASTS, CANDIDA ALBICANS*

CANDIDIASIS
SEE MYCOSES, MONILIASIS

CANKER SORE
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

CANNABIS
SEE ALKALOIDS, CANNABIS

CANNULATION
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)

CAPILLARY BEDS
SEE CARDIOVASCULAR SYSTEM, CAPILLARY BEDS

CAPRONOR TM DRUG DELIVERY SYSTEM
SEE DRUGS, DRUG DELIVERY SYSTEMS

CAPRYLIC ACID
SEE FATTY ACIDS, CAPRYLIC ACID

CAPSULES
SEE DOSAGE FORMS

CARBACHOL
SEE CHOLINE, CARBACHOL

CARBOHYDRASES
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins

CARBOHYDRASES, N-ACETYLGLUCOSAMINIDASES
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)

CARBOHYDRASES, AMYLASE
R01DE-02110-20 Salivary gland structure and function (mice, rats)
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
R03DE-07024-01 Oral signs and symptoms in bulimic patients

CARBOHYDRASES, ALPHA-AMYLASE
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)

CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)

CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)

CARBOHYDRASES, BETA-GLUCURONIDASE
R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)

CARBOHYDRASES, HYALURONIDASE
** R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
** R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)

CARBOHYDRASES, LYSOZYME
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-06053-03 ...ranes of the dental pathogen Streptococcus mutans (rabbits)
R03DE-06364-02 Endotoxin-macrophage cell interaction bone resorption (mice)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

CARBOHYDRASES, NEURAMINIDASE
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)

(cont.)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Crowded significantly to above subject
@ Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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CARBOHYDRATE BALANCE, HYPERGLYCEMIA
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)

CARBOHYDRATES
SEE ALSO GLYCOLIPIDS
SEE ALSO GLYCOPROTEINS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES
SEE ALSO OLIGOSACCHARIDES
SEE ALSO POLYSACCHARIDES
SEE ALSO SUGAR ALCOHOLS
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
N01DE-12430-08 Investigation of anticaries vaccine in primates

CARBOHYDRATES, AMINO SUGARS
SEE ALSO SUGAR ACIDS, MURAMIC ACID
SEE ALSO SUGAR ACIDS, SIALIC ACIDS
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)

CARBOHYDRATES, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO GLYCOPROTEINS
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

CARBOHYDRATES BIOSYNTHESIS
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
** R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-12 Glycosyltransferases from oral bacteria
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)

CARBOHYDRATES METABOLISM
SEE ALSO CARBOHYDRATES BIOSYNTHESIS
SEE ALSO CHEMICAL REACTIONS, GLYCOSYLATION
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
R23DE-06072-03 Interaction of salivary components and S mutans
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
** P50DE-07010-01 0004 Specialized caries research center - Carbohydrates in root caries

CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM
SEE ALSO HEXOSES, GLYCOLYSIS
SEE ALSO TRICARBOXYLIC ACIDS, KREBS CYCLE
R01DE-02342-13 Normal and altered oral mucosa (rats)
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
R23DE-02113-01 Isolation and characterization of osteoclasts (chicks)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
** R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
** R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
** R23DE-06832-01 Experimental diabetes and periodontitis (monkeys)
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
** R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE 05505-05 Periodontitis and host defense in juvenile diabetes (human)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES THERAPY
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

CARBOHYDRATES METABOLISM DISORDERS, DIABETIC OCULOPATHY, DIABETIC RETINOPATHY
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)

CARBOHYDRATES STRUCTURE
** R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
** R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

CARBOHYDRATES TRANSPORT (GENERAL)
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
** R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans

CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT
R23DE-06174-01 Insulin and protein synthesis in the rat gland
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations

CARBON DIOXIDE
SEE RESPIRATORY GASES, CARBON DIOXIDE

CARBONATES
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)

CARBONATES, BICARBONATES
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

CARBONIC ANHYDRASE
SEE DEHYDRATASES, CARBONIC ANHYDRASE

CARBOPOLYCYCLICS
SEE CYCLICS, CARBOPOLYCYCLICS

CARBOXYL GROUPS
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis

CARBOXYLIC ACIDS
SEE ALSO AMINO ACIDS
SEE ALSO FATTY ACIDS
R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
** R03DE-06937-01 Structure-activity of polycarboxylate absorption by hydroxyapatite

CARBOXYLIC ACIDS, KETO ACIDS
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

CARCINOGENESIS (GENERAL)
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS (GENERAL)

CARCINOGENESIS, CHEMICAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL

CARCINOGENESIS, VIRAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

CARCINOMA
SEE NEOPLASMS, CARCINOMA

CARCINOMA EPIDERMOID
SEE NEOPLASMS, CARCINOMA EPIDERMOID

CARDIAC GLYCOSIDES, OUABAIN
R01DE-05586-04 Cell surface studies of the enamel organ (mice)

CARDIOLIPINS
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

CARDIOVASCULAR DISORDERS, THROMBOSIS
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
R03DE-06677-01 Vascular casting of the dental pulp (cats)

CARDIOVASCULAR FUNCTION, BLOOD FLOW
SEE ALSO BLOOD STASIS
R01DE-04227-10 Adaptatives to changes in masticatory muscle length (monkeys)
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
** R43DE-06788-01 Phase I laser velocimetry for periodontal disease (dogs)

CARDIOVASCULAR FUNCTION, BLOOD PRESSURE
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

CARDIOVASCULAR SURGERY, REVASCULARIZATION SURGICAL
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)

CARDIOVASCULAR SYSTEM, BLOOD SUPPLY
SEE ALSO CARDIOVASCULAR SYSTEM, CAPILLARY BEDS
** P01DE-06946-01 0010 Pathophysiology of MPD and other facial pain syndromes - Study of the partial denervated temporomandibular joint (rabbits)

CARDIOVASCULAR SYSTEM, CAPILLARY BEDS
** R03DE-06677-01 Vascular casting of the dental pulp (cats)

CARDIOVASCULAR SYSTEM, ENDOTHELIUM
** R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)

CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
SEE ALSO PREGNANCY CIRCULATION, PLACENTAL TRANSFER
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)

CARDIOVASCULAR SYSTEM, MICROCIRCULATION
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)

CARIES
SEE DENTAL CARIES

CAROTENE
SEE TERPENES, CAROTENE

CARRIER PROTEINS
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)

CARTILAGE
SEE SKELETAL SYSTEM, CARTILAGE

CARTILAGE CELLS
SEE SKELETAL SYSTEM, CARTILAGE CELLS

CARTILAGE CIRCULATION
SEE SKELETAL SYSTEM CIRCULATION

CARTILAGE DEVELOPMENT
SEE SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

CARTILAGE DISORDERS
SEE SKELETAL DISORDERS, CARTILAGE DISORDERS

CARTILAGE TRANSPLANTATION
SEE SKELETAL TISSUE TRANSPLANTATION, CARTILAGE

CASE FINDING
SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

CASTING, DENTAL
SEE DENTAL MATERIALS, CASTING

CAT
SEE RADIOGRAPHY, SCANNING, CAT*

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Denotes significant to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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CAT SCAN
SEE RADIOGRAPHY, SCANNING, CAT*

CATALASE
SEE PEROXIDASES, CATALASE

CATECHOLAMINES
SEE PHENYLALKYLAMINES, CATECHOLAMINES

CATECHOL OXIDASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

CATHEPSIN B
SEE PROTEASES AND PEPTIDASES, CATHEPSIN B

CATHEPSINS
SEE PROTEASES AND PEPTIDASES, CATHEPSINS

CATION
SEE IONS, CATION

C3B RECEPTOR
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

C3D RECEPTOR
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

CD
SEE METALS, HEAVY METALS, CADMIUM (COMPOUNDS)

CDNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

CELL ADHESION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO GLYCOPROTEINS, FIBRONECTIN
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
** R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R03DE-06586-02 A genetic approach for study of actinomyces viscosus
** R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
** R13DE-06800-01 Workshop on molecular interactions in oral microbial adherence
R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

CELL ADHESION, CEMENTING SUBSTANCE INTERCELLULAR
SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID
** R23DE-06945-02 Identification of microbial lectins (rabbits)

CELL AGGREGATION
SEE CELL-CELL INTERACTION, CELL AGGREGATION

CELL BIOLOGY (GENERAL) SEE ALSO CELL...CYTO..*
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)

CELL BIOLOGY STUDY SECTION
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
** R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
** R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
** R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
** R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

CELL CAPSULE
SEE CELL COMPONENTS, CELL CAPSULE

CELL-CELL INTERACTION
SEE ALSO CELL FUSION (GENERAL)
SEE ALSO REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
** R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
** R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-06165-02 Cell biology of periodontal ligament fibroblast
** R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO CELL ADHESION
P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
R03DE-06586-02 A genetic approach for study of actinomyces viscosus
** R13DE-06800-01 Workshop on molecular interactions in oral microbial adherence

CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS
SEE ALSO NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES
SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)

CELL CHEMOTAXIS
SEE ENVIRONMENT, ORIENTATION, CHEMOTAXIS

CELL COMMUNICATIONS
SEE CELL-CELL INTERACTION

CELL COMPONENTS, CELL CAPSULE
R23DE-06072-03 Interaction of salivary components and S mutans

CELL COMPONENTS, CELL MEMBRANE
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO CELL COMPONENTS, INTRACELLULAR MEMBRANES
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05840-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
** R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R23DE-06072-03 Interaction of salivary components and S mutans
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06533-02 Vesicles and endochesdral bone formation (chickens)
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

CELL COMPONENTS, CELL MEMBRANE, BASOLATERAL AREA
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

CELL COMPONENTS, CELL STROMA
R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)

CELL COMPONENTS, CELL WALL
R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
R01DE-05623-03 Bacterial products and bone metabolism (rats)
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
R23DE-06072-03 Interaction of salivary components and S mutans
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
N01DE-42551-00 Develop antigens and adjuvants for caries immunity

CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)

CELL COMPONENTS, CYTOPLASM
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06165-02 Cell biology of periodontal ligament fibroblast
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)

CELL COMPONENTS, CYTOSKELETON
SEE ALSO CELL COMPONENTS, MICROFILAMENTS
SEE ALSO CELL COMPONENTS, MICROTUBULES (GENERAL)
R01DE-04345-09 Cell biology of osteoclasts (chickens)
R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R01DE-06556-02 Oral epithelium structural proteins (rabbits)
R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans

CELL COMPONENTS, EXTRACELLULAR MATRIX
** R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
** P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
** P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
** R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
** R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)
** R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)
** R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

CELL COMPONENTS, GOLGI APPARATUS
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)

CELL COMPONENTS, INTRACELLULAR MEMBRANES
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-06165-02 Cell biology of periodontal ligament fibroblast

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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CELL COMPONENTS, LYSOSOMES
P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05626-04 Role of complement in periodontal disease
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05999-02 The role of nutrition in oral health (rats)
R03DE-06486-02 Microsphere binding to palatal glycoproteins
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)

CELL COMPONENTS, MICROFILAMENTS
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)

CELL COMPONENTS, MICROSOMES
SEE ALSO CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO CELL COMPONENTS, RIBOSOMES
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)

CELL COMPONENTS, MICROTUBULES (GENERAL)
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)

CELL COMPONENTS, MITOCHONDRIA
** P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

CELL COMPONENTS, ORGANELLES
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)

CELL COMPONENTS, PROTOPLASTIC MEMBRANE
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R23DE-06072-03 Interaction of salivary components and S mutans

CELL COMPONENTS, RIBOSOMES
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R23DE-06174-01 Insulin and protein synthesis in the rat gland

CELL CONTROL MECHANISMS (CELL GROWTH-PROLIFERATION)
SEE CELL GROWTH REGULATION

CELL CULTURE
SEE TISSUE (CELL) CULTURE*

CELL CULTURE COLLECTIONS
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

CELL CYCLE, TURNOVER (POPULATION STUDIES)
SEE POPULATION STUDIES CELL

CELL CYCLE, TURNOVER (REGULATION OF)
SEE CELL GROWTH REGULATION

CELL DEATH
SEE ALSO CELL DESTRUCTION, CYTOLYSIS
SEE ALSO DISEASES, PATHOLOGIC PROCESSES, NECROSIS
SEE ALSO TOXICOLOGY, CYTOTOXICITY
** P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

CELL DESTRUCTION, CYTOLYSIS
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)

CELL DIFFERENTIATION
SEE ALSO GROWTH AND DEVELOPMENT, HISTOGENESIS
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02623-17 0036 Center for oral health research - Cellular aspects of the murine IgA response
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
** P01DE-02848-14 0006 Biology of connective tissue, bones, and teeth - Gene expression during ameloblast differentiation (rabbits)
** P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05395-05 Stem cells in oral mucosa (mice)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-06397-02 Biochemical aspects of orofacial development
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R01DE-06556-02 Oral epithelium structural proteins (rabbits)
** R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
** R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

CELL DIVISION
SEE ALSO GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
R01DE-02342-13 Normal and altered oral mucosa (rats)
** P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
** R01DE-05395-05 Stem cells in oral mucosa (mice)
R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

CELL DIVISION, MITOSIS
SEE ALSO MITOGENS
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R01DE-06955-01 Epidermal growth factor and tooth development (mice)

CELL DIVISION, SYNCHRONOUS CELL DIVISION
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

CELL-FREE SYSTEMS
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)

CELL FUSION (GENERAL)
SEE ALSO REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)

CELL GROWTH REGULATION
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-02110-20 Salivary gland structure and function (mice, rats)
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
** R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
** R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

CELL HYBRIDS, HYBRIDOMAS
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
** P50DE-02670-18 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)

CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELLS, PHAGOCYTES
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06165-02 Cell biology of periodontal ligament fibroblast
** R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

CELL INGESTION, PINOCYTOSIS
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
** R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

CELL INTERACTION
SEE CELL-CELL INTERACTION

CELL LINES, BANKS AND REGISTRIES
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

CELL MEMBRANE
SEE CELL COMPONENTS, CELL MEMBRANE

CELL MIGRATION
** R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

MI Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
** R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)
R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
** R03DE-07046-01 Cell migration in experimental periodontal wounds (monkey)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

CELL MOVEMENT
SEE ALSO CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
SEE ALSO CELL MIGRATION
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
** R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

CELL POPULATION STUDIES
SEE POPULATION STUDIES CELL

CELL STORAGE DISORDERS
SEE METABOLIC DISORDERS INBORN, LYSOSOMAL DISORDERS

CELL STROMA
SEE CELL COMPONENTS, CELL STROMA

CELL SURFACE ACTIVITY (GENERAL)
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

CELL TYPES
SEE ALSO CELL DIFFERENTIATION
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

CELL WALL
SEE CELL COMPONENTS, CELL WALL

CELLS, PHAGOCYTES
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO BLOOD CELLS, LEUKOCYTES
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
R01DE-04629-08 Dentrl disease and osteoclastic bone resorption (chick embryo, quail, mice)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-06860-01 Complement monocyte interactions in periodontal disease

CELLS, SINGLE CELL ANALYSIS
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R01DE-04786-07 Dental and orofacial pain--Brain stem ...echanisms (cats)
R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)

CELLULAR IMMUNITY
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

CELLULAR PHYSIOLOGY REVIEW GROUP
** R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)

CEMENTING SUBSTANCE INTERCELLULAR
SEE CELL ADHESION, CEMENTING SUBSTANCE INTERCELLULAR

CEMENTUM
SEE DENTAL STRUCTURE, CEMENTUM

CENTENARIANS
SEE AGE (HUMAN), ADULT, CENTENARIANS (100 YRS PLUS)

CENTERS
SEE CLINICAL RESEARCH CENTERS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

CENTRAL NERVOUS SYSTEM
SEE NERVOUS SYSTEM CENTRAL

CENTRAL NERVOUS SYSTEM DISORDERS
SEE NERVOUS DISORDERS CENTRAL (GENERAL)

CEPHALOMETRY
SEE BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY

CEPHALOSPORIN C
SEE ANTIBIOTICS, BETA LACTAMS, CEPHALOSPORIN C

CEPHALOSPORIN N
SEE ANTIBIOTICS, BETA-LACTAMS, CEPHALOSPORIN N

CERAMICS
SEE SILICATES, CERAMICS

CEREBRAL CORTEX
SEE BRAIN, CEREBRAL CORTEX

CERVIX NEOPLASMS
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM FEMALE, UTERUS NEOPLASMS, CERVIX NEOPLASMS

CEVITAMIC ACID
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

CHEDIAK-HIGASHI SYNDROME
SEE METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME

CHEILITIS
SEE ORAL-PHARYNGEAL DISORDERS (GENERAL)

CHELATES, METAL
SEE METAL COMPLEXES

CHELATING AGENTS
SEE METAL COMPLEXES, LIGANDS, CHELATING AGENTS

CHELATION
SEE METAL COMPLEXES, LIGANDS, CHELATING AGENTS

CHEMICAL ASSOCIATED CARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL

CHEMICAL BONDS
SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO CHEMICAL REACTION SITES
SEE ALSO CHEMICAL STRUCTURE, STEREOCHEMISTRY, CONFORMATIONS
SEE ALSO DRUGS RECEPTORS
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sangus

CHEMICAL BONDS, BINDING AND BINDING SITES
SEE ALSO PROTEIN BINDING
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
** R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin
R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05623-03 Bacterial products and bone metabolism (rats)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

CHEMICAL BONDS, BOND CLEAVAGE
R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)

CHEMICAL BONDS, BOND FORMATION
R01DE-06374-03 Semi- and nonprecious metal-procelain systems

CHEMICAL BONDS, CROSSLINKS
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
** P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
P50DE-02668-18 0145 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

CHEMICAL BONDS, DISULFIDE BONDS
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

CHEMICAL BONDS, HYDROGEN BOND
R01DE-02953-13 The developmental biology of calcified tissues (rats)

CHEMICAL BONDS, IONIC
R01DE-03223-14 Kinetics of mineralization of teeth (human)

CHEMICAL DESIGN
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

CHEMICAL MODELS
SEE MODELS, CHEMICAL

CHEMICAL REACTION SITES
SEE ALSO CHEMICAL BONDS, BINDING AND BINDING SITES
SEE ALSO DRUGS RECEPTORS
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)

CHEMICAL REACTION SITES, FUNCTIONAL GROUPS
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)

CHEMICAL REACTIONS (DYNAMICS)
SEE ALSO ALKYL (GROUPS), METHYLATION-DEMETHYLATION
SEE ALSO CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE ALSO ENZYME MECHANISMS
SEE ALSO OXIDATION-REDUCTION
SEE ALSO PHOSPHORYLATION
SEE ALSO SULFATION
** R01DE-03223-14 Kinetics of mineralization of teeth (human)
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sangus
R01DE-04385-09 Mechanism of dental caries (human)
** R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
R01DE-04705-05 Reactions of titanium fluoride with hydroxpatite
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-03 Quantitation of enamel demineralization mechanisms

CHEMICAL REACTIONS, GLYCOSYLATION
R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

CHEMICAL REACTIONS, HYDRATION-DEHYDRATION
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS
SEE ALSO HYDROLASES
R01DE-03739-12 Glycosyltransferases from oral bacteria
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)

CHEMICAL REACTIONS, SUBSTITUTION
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)

CHEMICAL REACTIONS, SUBSTITUTION, NUCLEOPHILIC
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)

CHEMICAL STABILITY
SEE ALSO TEMPERATURE, HEAT STABILITY-LABILITY
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R01DE-05940-03 Chemical stability of low nobility dental alloys

CHEMICAL STRUCTURE
SEE ALSO CARBOHYDRATES STRUCTURE
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO NUCLEIC ACIDS STRUCTURE
SEE ALSO PROTEINS-PEPTIDES STRUCTURE
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02668-18 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins

(contd)

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**Oriented significantly to above subject.

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See Appendix for investigator's name and Grant Number

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** P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)

CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

CHEMICAL STRUCTURE, STEREOCHEMISTRY
R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)

CHEMICAL STRUCTURE, STEREOCHEMISTRY, CONFORMATIONS
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
R01DE-05102-07 Potential anti-caries agents (rats)
R23DE-05893-03 Structural modulation of enamel pellicle formation
R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
** R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07257-01 IgA protease and dental caries

CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO ENZYME STRUCTURE
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin
** P50DE-02670-18 0019 Institute of dental research - Chemistry and molecular biology of the connective tissue protein, collagen
** P50DE-02670-18 0039 Institute of dental research - Structure and function of latent collagenase
P50DE-02731-18 0034 Development support for dental research institute - Microbial biochemistry lab
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca facicularis)
** R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
** R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R03DE-06937-01 Structure-activity of polycarboxylate absorption by hydroxyapatite

CHEMICAL STRUCTURE OF CARBOHYDRATES
SEE CARBOHYDRATES STRUCTURE

CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE ALSO DRUGS SYNTHESIS, DESIGN AND PRODUCTION
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
** R03DE-06937-01 Structure-activity of polycarboxylate absorption by hydroxyapatite

CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION, PROTEINS
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)

CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
** P50DE-02670-18 0036 Institute of dental research - Dental caries preventive measures (rats)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)

CHEMICALS (GENERAL), MINERALS (GENERAL)
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO CALCIUM PHOSPHATES, APATITES
SEE ALSO SILICATES
R01DE-02953-13 The developmental biology of calcified tissues (rats)
** R01DE-06569-03 Quantitation of enamel demineralization mechanisms

CHEMICALS (GENERAL), SALTS (GENERAL)
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS
** P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
R01DE-02953-13 The developmental biology of calcified tissues (rats)

CHEMILUMINESCENCE
SEE OPTICS, LIGHT EMISSION, LUMINESCENCE*

CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*
** R03DE-06817-01 Maxillary expansion using laser specklegrammetry (human)

CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, RAMAN*
** R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion

CHEMISTRY, CLINICAL, BLOOD
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

CHEMISTRY, CLINICAL, FECES ANALYSIS*
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)

CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device

CHEMISTRY, ELECTROCHEMISTRY
R01DE-03601-11 Effect of corrosion on dental amalgams
** R01DE-06994-01 Palladium containing dental amalgam

CHEMISTRY, STOICHIOMETRY
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)

CHEMISTRY, THERMODYNAMICS (GENERAL)
R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
R01DE-06672-02 Optimization of metal-ceramic restoration design

CHEMOTACTIC FACTORS (COMPLEMENT)
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

CHEMOTACTIC FACTORS (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

CHEMOTAXIS
SEE ENVIRONMENT, ORIENTATION, CHEMOTAXIS

CHEMOTHERAPY
SEE DRUGS, CHEMOTHERAPY

CHEMOTHERAPY, CANCER
SEE NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY

CHEMOTHERAPY, COMMUNICABLE DISEASES
SEE COMMUNICABLE DISEASES CHEMOTHERAPY

CHEMOTHERAPY, CONNECTIVE TISSUE DISORDERS
SEE CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, DENTAL DISORDERS
SEE DENTAL DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, EMBRYO-FETUS
SEE PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY

CHEMOTHERAPY, NUTRITIONAL DISORDERS
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, SKELETAL DISORDERS
SEE SKELETAL DISORDERS CHEMOTHERAPY

CHILD BEHAVIOR
SEE CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR

CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE ALSO CHILD MENTAL DEVELOPMENT
SEE ALSO EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION
** R01DE-02862-17 Growth and development of the human head
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)

CHILD DEVELOPMENT, PUBERTY
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

CHILD HEALTH CARE (SERVICES)
SEE ALSO HEALTH CARE SERVICES, STUDENT HEALTH SERVICES
R01DE-03868-09 Children's acceptance of caries preventive procedures
** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05913-03 Experiments in management of fearful children (human)
** R23DE-06562-01 Fluoridation effects on dental demand (human)
** R23DE-06865-01 Child desensitization for dental visits (human)

CHILD MENTAL DEVELOPMENT
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)

CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR
** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05913-03 Experiments in management of fearful children (human)
** R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06570-03 Psychosocial evaluation of craniofacial patients

CHILD-MOTHER INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

CHILDREN
SEE ALSO FAMILY
M P01DE-01697-22 Craniofacial problems
** P01DE-01697-22 0037 Craniofacial problems - Effects of oronasal fistulae on speech (human)
** P01DE-01697-22 0041 Craniofacial problems - Effect of palate repair on eustachian tube function (human)
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-02862-17 Growth and development of the human head
R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-05054-06 Periodontal disease--Microbiological studies (human)
R01DE-05129-07 Improvement of preventive and restorative materials (human)
R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
** R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
R01DE-06112-04 Filled sealant as a conservative restorative material (human)
R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)
** P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects

CHILDREN, ADOLESCENCE (12 TO 21 YRS)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
N01DE-42553-00 Epidemiologic survey of oral health in adults

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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CHILDREN, HANDICAPPED CHILDREN
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)

CHILDREN, INFANT (BIRTH TO 1 YR)
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO PREGNANCY, PERINATAL
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren

CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren

CHILDREN, MIDCHILDHOOD (6 TO 12 YRS)
** R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
R23DE-06562-01 Fluoridation effects on dental demand (human)
R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device

CHILDREN, PRESCHOOL (1 TO 6 YRS)
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)
R01DE-05913-03 Experiments in management of fearful children (human)

CHIMERAS
SEE TISSUE MOSAICISM

CHITIN
SEE PROTEOGLYCANS, CHITIN

CHL-A LOCUS (CHIMPANZEE)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

CHLORHEXIDINE
SEE GUANIDINES, BIGUANIDES, CHLORHEXIDINE

CHLORIDE PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CHLORIDE PUMP

CHLORIDES
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

CHLORINE (COMPOUNDS)
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

CHOLANATE SERIES, DEOXYCHOLATES
R01DE-05262-05 Mineralization in oral biology (mice, rats)

CHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

CHOLECYSTOKININ
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

CHOLEIC ACIDS
SEE CHOLANATE SERIES, DEOXYCHOLATES

CHOLESTANE SERIES, CHOLESTEROL
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)

CHOLESTEROL
SEE CHOLESTANE SERIES, CHOLESTEROL

CHOLINE, ACETYLCHOLINE
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)

CHOLINE, CARBACHOL
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)

CHOLINERGIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

CHOLINERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

CHONDROCYTES
SEE SKELETAL SYSTEM, CARTILAGE CELLS

CHONDROGENESIS
SEE SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

CHONDROITINASE (HYALURONOGLUCOSIDASE)
SEE CARBOHYDRASES, HYALUPONIDASE

CHONDROITIN SULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE

CHONDROMUCOPROTEINS
SEE PROTEOGLYCANS

CHORION
SEE PREGNANCY MEMBRANES, CHORION

CHROMATIN
SEE GENETICS, CHROMOSOMES, CHROMATIN

CHROMIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)

CHROMOSOMAL PROTEINS
SEE NUCLEOPROTEINS

CHROMOSOME REPLICATION
SEE GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION

CHRONIC DISEASES (DISORDERS)
SEE DISEASES, CHRONIC (GENERAL)

CHRONIC TREATMENT, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

CI GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

CIGARETTE SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

CIGAR SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

CILIARY MOVEMENT
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT

CIRCADIAN RHYTHMS
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

CIRCULATION
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
SEE SKELETAL SYSTEM CIRCULATION

CISTRONS
SEE GENETICS, GENES

CITRIC ACID CYCLE
SEE TRICARBOXYLIC ACIDS, KREBS CYCLE

CL
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

CLEARINGHOUSES
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

CLEAVAGE
SEE CHEMICAL BONDS, BOND CLEAVAGE

CLEFT LIP
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

CLEFT PALATE
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE

CLEFT PALATE PROSTHESIS
SEE ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

CLINICAL DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA

CLINICAL RESEARCH CENTERS
M P50DE-04881-08 Clinical research in periodontal diseases
M P50DE-04898-08 Periodontal disease research center
M P50DE-05139-07 Clinical research center for periodontal disease

CLONE CELLS
SEE TISSUE (CELL) CULTURE, CLONE CELLS*

CLONING OF NUCLEIC ACIDS, GENES AND PLASMIDS
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

CLOSTRIDIUM
SEE BACTERIA, BACILLACEAE, CLOSTRIDIUM*

CO
SEE METALS, HEAVY METALS, COBALT (COMPOUNDS)

COBALT (COMPOUNDS)
SEE METALS, HEAVY METALS, COBALT (COMPOUNDS)

COCCI, GRAM-NEGATIVE
SEE BACTERIA, GRAM-NEGATIVE*

COCCI, GRAM-POSITIVE
SEE BACTERIA, GRAM-POSITIVE*

CODING (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

CODING (GENETIC)
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODE

CODING (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

CODON
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODE

COENZYME I
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE NUCLEOTIDES, NAD(H2)

COENZYME II
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE NUCLEOTIDES, NADP(H2)

COGNITION
SEE PSYCHOLOGY, COGNITION

COGNITION DISORDERS
SEE PSYCHOLOGY ABNORMAL, COGNITION DISORDERS

COGNITIVE CONTROL OF VISCERAL RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

COLCHICINE
SEE ALKALOIDS, COLCHICINE

COLD INSOLUBLE GLOBULIN (CIG)
SEE GLYCOPROTEINS, FIBRONECTIN

COLLAGEN
SEE FIBROUS PROTEINS, COLLAGEN

COLLAGEN DISEASES
SEE CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES

COLLAGENASE
SEE PROTEASES AND PEPTIDASES, COLLAGENASE

COMBINATION CHEMOTHERAPY
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

COMMUNICABLE DISEASE CONTROL
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)

COMMUNICABLE DISEASE CONTROL, ANTISEPSIS, STERILIZATION
** R03DE-06456-01 Sterilization effectiveness using glow discharge methods

COMMUNICABLE DISEASE CONTROL, GERM-FREE
P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)

COMMUNICABLE DISEASE CONTROL, GERM-FREE, AXENIC CULTURE
** R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

COMMUNICABLE DISEASE CONTROL AGENTS
SEE ALSO ANTIBIOTICS
SEE ALSO COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
N01DE-12433-04 Phase contrast evaluation of subgingival plaque
N01DE-52484-10 Antiplaques/food additives/other agents--Anticaries

COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL
SEE ALSO ANTIBIOTICS
** R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
** R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
** R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents

COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL
** R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent
** R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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COMMUNICABLE DISEASE TRANSMISSION
** R01DE-06160-02 Maternal transmission of streptococcus mutans (human)
** N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

COMMUNICABLE DISEASES, SEXUALLY TRANSMITTED
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2
** R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
** R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis

COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

COMMUNICABLE DISEASES DIAGNOSIS*
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)

COMMUNICATIVE BEHAVIOR
SEE INFORMATION-COMMUNICATION BEHAVIOR

COMMUNITY DENTAL HEALTH
SEE DENTAL HEALTH, COMMUNITY DENTAL HEALTH

COMPLEMENT
SEE IMMUNOLOGY, COMPLEMENT

COMPLEMENT RECEPTORS
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

COMPLEMENTARY DNA
SEE NUCLEIC ACIDS, COMPLEMENTARY DNA

COMPLEXES
SEE METAL COMPLEXES

COMPLIANCE OF PATIENT WITH THERAPY REGIMEN
SEE THERAPY COMPLIANCE

COMPLICATIONS (DISEASE ORIENTED)
SEE DISEASES, COMPLICATIONS

COMPLICATIONS OF CANCER
SEE NEOPLASMS, CANCER COMPLICATIONS OF

COMPLICATIONS OF CANCER, INFECTIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS

COMPREHENSIVE HEALTH PLANNING
SEE HEALTH CARE (SERVICES) (RESOURCES) PLANNING, COMPREHENSIVE

COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)
R44DE-06779-02 Evaluation of a new automated periodontal probe

COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE ALSO COMPUTER SIMULATION
SEE ALSO OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
** P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)

COMPUTER ANALYSIS*
R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)

COMPUTER ASSISTED DIAGNOSIS
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS

COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING

COMPUTER CONTROL SYSTEMS (GENERAL)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

COMPUTER DIAGNOSIS
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS

COMPUTER GRAPHICS
SEE COMPUTER PRINTING-GRAPHICS (GENERAL)

COMPUTER INFORMATION RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

COMPUTER PATTERN RECOGNITION (OTHER THAN IMAGE-WAVESHAPE, OR COMPUTER SIMULATION OR DIAGNOSIS)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

COMPUTER PRINTING-GRAPHICS (GENERAL)
SEE ALSO OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data
P01DE-03568-10 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
R01DE-06720-01 Resistance of various restorative materials
R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)

COMPUTER PROCESSING OF BIOMEDICAL DATA (GENERAL)
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

COMPUTER PROCESSING OF CLINICAL DATA
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA

COMPUTER PROCESSING OF LABORATORY (BIOMEDICAL) DATA (GENERAL)
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

COMPUTER PROGRAMMING*
R01DE-04068-10 Statistical methods in dental research
R01DE-05852-03 Comparison of clinical evaluation methods for amalgam (human)
N01DE-42500-02 Microbiological information system

COMPUTER SIMULATION
SEE ALSO MODELS, MATHEMATICAL
R01DE-03953-10 Force systems from orthodontic appliances
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05423-05 Diffuse reflectance by esthetic dental materials
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
R03DE-06803-01 Intermicroscopic correlation of remineralization
R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)

COMPUTERIZED ACTASCAN
SEE RADIOGRAPHY, SCANNING, CAT*

COMPUTERIZED AXIAL TOMOGRAPHY
SEE RADIOGRAPHY, SCANNING, CAT*

COMPUTERIZED DATA BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

COMPUTERIZED INFORMATION SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

COMPUTERIZED TRANSAXIAL TOMOGRAPHY
SEE RADIOGRAPHY, SCANNING, CAT*

CONDITIONING (AUTOGENIC)(BIOFEEDBACK)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

CONDITIONING THERAPY (BEHAVIOR)
SEE PSYCHOTHERAPY, BEHAVIOR MODIFICATION

CONDYLE MANDIBULAR
SEE ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

CONFORMATIONS (CHEMISTRY)
SEE CHEMICAL STRUCTURE, STEREOCHEMISTRY, CONFORMATIONS

CONGENITAL ABNORMALITIES
SEE ALSO GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)

CONGENITAL ABNORMALITIES, DENTITION
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-06043-03 Congenitally missing teeth (human)

CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
** R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
** R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)

CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL CLEFT LIP
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)

CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)
** R23DE-06743-02 The extracellular matrix in neural crest formation (mice, chick, rat)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
** P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
** P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
M P01DE-02872-15 Center for craniofacial anomalies
** P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data
** P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies
** P01DE-02872-15 0063 Center for craniofacial anomalies - Genetic studies (human)
** P01DE-02872-15 0064 Center for craniofacial anomalies - Audiology
M P01DE-03568-10 Craniofacial anomalies--Etiology and treatment
** P01DE-03568-10 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-10 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
** P01DE-03568-10 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
** P01DE-03568-10 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
** P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
** R01DE-05024-06 Craniofacial abnormalities in mice with vitamin D resistant rickets
** R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
** R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
** R03DE-06298-02 Oral and skin defects in pupoid fetus (pf/pf) mice
R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
** R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
** R01DE-06570-03 Psychosocial evaluation of craniofacial patients
R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
** R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
** P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
M P01DE-05837-04 Growth, surgical, and speech aspects of cleft palate
P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

** R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
** R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PIERRE-ROBIN SYNDROME
M P01DE-01697-22 Craniofacial problems
** P01DE-01697-22 0035 Craniofacial problems - Non-human primate model of cleft palate (monkeys)
** P01DE-01697-22 0036 Craniofacial problems - Evaluation of velopharyngeal sphincteric function (human)
P01DE-01697-22 0037 Craniofacial problems - Effects of oronasal fistulae on speech (human)
** P01DE-01697-22 0038 Craniofacial problems - Anatomy of the posterior pharyngeal wall (human)
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)
P01DE-01697-22 0041 Craniofacial problems - Effect of palate repair on eustachian tube function (human)
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies
** R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
** R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
M P01DE-05837-04 Growth, surgical, and speech aspects of cleft palate
** P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
R23DE-06040-03 Polyamines and palatal development (rabbits)
** R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
** R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)
R03DE-06298-02 Oral and skin defects in pupoid fetus (pl/pl) mice
R01DE-06397-02 Biochemical aspects of orofacial development
** R03DE-06486-02 Microsphere binding to palatal glycoproteins
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
** R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)
** R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOFACIAL DYSOSTOSIS
** R03DE-06272-01 Oxygen and sodium valproate induced craniofacial defects (mice)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOSYNOSTOSES
** R23DE-06909-02 Experimentally induced premature craniosynostosis (rabbits)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PIERRE-ROBIN SYNDROME
P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies

CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)

CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA
R03DE-06298-02 Oral and skin defects in pupoid fetus (pl/pl) mice
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO GENETICS, MUTAGENS
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
** R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
R23DE-06040-03 Polyamines and palatal development (rabbits)
** R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
** R03DE-06272-01 Oxygen and sodium valproate induced craniofacial defects (mice)
** R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

CONGENITAL DISEASES
SEE CONGENITAL ABNORMALITIES

CONJUGATION MICROORGANISMS
SEE REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS

CONNECTIVE TISSUE (GENERAL)
SEE ALSO DENTAL STRUCTURE, PERIODONTIUM
SEE ALSO FIBROUS PROTEINS, COLLAGEN
SEE ALSO MEMBRANE, BASEMENT MEMBRANE
SEE ALSO SKELETAL SYSTEM, BONE
SEE ALSO SKELETAL SYSTEM, CARTILAGE
SEE ALSO SKELETAL SYSTEM, LIGAMENT
SEE ALSO SKELETAL SYSTEM, TENDONS
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
** P50DE-02600-18 0038 Support for oral biology research center - Connective tissue, fibroblasts and periodontitis (human)
** P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
** P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
** P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)
** P50DE-02670-18 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)

CONNECTIVE TISSUE, MESENCHYME
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
** P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06397-02 Biochemical aspects of orofacial development
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

CONNECTIVE TISSUE CELLS
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO DENTAL STRUCTURE, ODONTOBLASTS
SEE ALSO SKELETAL SYSTEM, BONE CELLS
SEE ALSO SKELETAL SYSTEM, CARTILAGE CELLS
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-06137-02 Mechanical properties of gingiva to resist probing (dogs)

CONNECTIVE TISSUE CELLS, FIBROBLASTS
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
** P50DE-02600-18 0038 Support for oral biology research center - Connective tissue, fibroblasts and periodontitis (human)
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
** R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
** R01DE-06165-02 Cell biology of periodontal ligament fibroblast
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts
R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R03DE-06681-02 Electron microprobe study of bone resorption (rats)
R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
** R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

CONNECTIVE TISSUE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
** R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02600-18 0038 Support for oral biology research center - Connective tissue, fibroblasts and periodontitis (human)
P50DE-02670-18 0019 Institute of dental research - Chemistry and molecular biology of the connective tissue protein, collagen
** R01DE-03301-14 Connective tissues of the periodontium (human, dog)

CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO EYE DISORDERS, KERATOCONJUNCTIVITIS, KERATOCONJUNCTIVITIS SICCA
** R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)

CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY
SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

CONNECTIVE TISSUE METABOLISM
P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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P50DE-02670-18 0019 Institute of dental research - Chemistry and molecular biology of the connective tissue protein, collagen
** R01DE-02953-13 The developmental biology of calcified tissues (rats)
** R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
** R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
** R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbit:, rat, chicken)
** R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)
P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)

CONSTANT REGION (CL,CH) GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

CONSUMER PRODUCTS, GLUES AND ADHESIVES
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
** R01DE-05956-04 The adhesive of Mytilus byssus

CONSUMER PRODUCTS, MOUTHWASHES
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
** R01DE-32400-04 NaF mouthrinsing for caries prevention

CONTRACTION
SEE MUSCLE FUNCTION, MUSCLE CONTRACTION

CONTRAST MEDIA
SEE RADIOGRAPHY, CONTRAST MEDIA*

CONTROL
SEE COMMUNICABLE DISEASE CONTROL

CONTROL OF BIOHAZARDS
SEE INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)

CONTROL OF VISCERAL RESPONSES BY SELF REGULATION
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

CONVERTING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

COOPERATION
SEE PSYCHOLOGY SOCIAL, COOPERATION

COORDINATION COMPOUNDS, METAL
SEE METAL COMPLEXES

COPING BEHAVIOR
SEE PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR

COPPER (COMPOUNDS)
SEE METALS, HEAVY METALS, COPPER (COMPOUNDS)

CORNIFICATION
SEE GROWTH AND DEVELOPMENT, KERATINIZATION

CORNIFICATION ABNORMAL
SEE GROWTH ABNORMAL, KERATINIZATION ABNORMAL

CORTICOSTEROIDS
SEE ADRENAL CORTEX HORMONES

CORTISONE
SEE ADRENAL CORTEX HORMONES, CORTISONE

COUNSELING, GENETIC
SEE GENETIC DISORDERS, GENETIC COUNSELING

CR
SEE METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)

CRABTREE EFFECT
SEE HEXOSES, GLYCOLYSIS

CRANIAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

CRANIAL NERVES
SEE NERVOUS SYSTEM, CRANIAL NERVES

CRANIAL SUTURES
SEE SKELETAL SYSTEM, SKULL, CRANIAL SUTURES

CRANIOFACIAL ABNORMALITIES (GENERAL)
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

CRANIOFACIAL DYSOSTOSIS
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOFACIAL DYSOSTOSIS

CRANIOSYNOSTOSES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOSYNOSTOSES

CRANIUM
SEE SKELETAL SYSTEM, SKULL

CRIPPLED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

CRITHIDIA
SEE PROTOZOA, MASTIGOPHORA, CRITHIDIA

CROSS IMMUNITY
SEE IMMUNITY, CROSS IMMUNITY

CROSSLINKS (CHEMICAL BONDS)
SEE CHEMICAL BONDS, CROSSLINKS

CROSSOVER INDUCING TEST FOR MUTAGENS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

CROWNWORK
SEE DENTAL PROSTHESIS

CRYSTALLIZATION
SEE PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION

CRYSTALS
SEE PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION

CT SCAN
SEE RADIOGRAPHY, SCANNING, CAT*

CU
SEE METALS, HEAVY METALS, COPPER (COMPOUNDS)

CULTURE, EMBRYO, FETUS
SEE PREGNANCY, EMBRYO-FETUS CULTURE

CULTURE MEDIA
SEE GROWTH MEDIA

CULTURES
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE, AXENIC CULTURE
SEE GROWTH MICROORGANISMS, MICROBIAL CULTURE
SEE TISSUE (CELL) CULTURE*

CURETTAGE SUBGINGIVAL
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

CUTANEOUS SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

CUTANEOUS SENSORY NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES

CYANATES, ISOCYANATES
** R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin

CYBERNETICS (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

CYBERNETICS (COMPUTER ARTIFICIAL INTELLIGENCE (GENERAL))
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

CYBERNETICS (COMPUTER) GENERAL
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

CYBERNETICS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

CYCLAMATES
SEE FOOD, SWEETENING AGENTS

CYCLASE (ADENYL CYCLASE)
SEE NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE

CYCLIC AMINO ACIDS, DOPA
R01DE-05956-04 The adhesive of Mytilus byssus

CYCLIC AMINO ACIDS, HISTIDINE
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R23DE-06072-03 Interaction of salivary components and S mutans

CYCLIC AMINO ACIDS, PROLINE
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05956-04 The adhesive of Mytilus byssus
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)

CYCLIC AMINO ACIDS, PROLINE, HYDROXYPROLINE
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05956-04 The adhesive of Mytilus byssus
** R01DE-06953-01 Hydroxyproline levels in periodontal health and disease (dogs)

CYCLIC AMINO ACIDS, TRYPTOPHAN
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

CYCLIC AMINO ACIDS, TYROSINE
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-05956-04 The adhesive of Mytilus byssus

CYCLIC AMP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

CYCLIC GMP
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

CYCLIC NUCLEOSIDE MONOPHOSPHATES
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

CYCLIC NUCLEOTIDES
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

CYCLICS, CARBOPOLYCYCLICS
SEE ALSO STEROIDS
R01DE-04814-05 Clinical evaluation of PMF permanent soft denture liners

CYCLOHEPTANES, AMITRIPTYLINE
R01DE-05369-06 Factors affecting dental postoperative pain (human)

CYCLOHEXANE SULFAMIC ACID
SEE FOOD, SWEETENING AGENTS

CYCLOOXYGENASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

CYCLOSPORIN A
SEE ANTIBIOTICS, CYCLOSPORIN A

CYCLOSPORINE
SEE ANTIBIOTICS, CYCLOSPORIN A

CYSTEINE
SEE SULFUR AMINO ACIDS, CYSTEINE

CYSTIC FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

CYTOCHALASIN (B)
SEE TOXICOLOGY, MYCOTOXINS, CYTOCHALASIN

CYTOCHEMISTRY
SEE HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*

CYTOCHROME B
SEE HEMOPROTEINS, CYTOCHROME B

CYTOCHROME P450
SEE HEMOPROTEINS, CYTOCHROME P450

CYTOGENETICS
SEE GENETICS, CYTOGENETICS

CYTOLYSIS
SEE CELL DESTRUCTION, CYTOLYSIS

CYTOMATRIX
SEE CELL COMPONENTS, CYTOPLASM

CYTOMEGALOVIRUSES
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

CYTOPATHOGENIC EFFECT BACTERIAL
SEE BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL

CYTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

CYTOPLASMIC GROUND SUBSTANCE (MATRIX)
SEE CELL COMPONENTS, CYTOPLASM

CYTOSINE
SEE PYRIMIDINES, CYTOSINE

CYTOSKELETON
SEE CELL COMPONENTS, CYTOSKELETON

CYTOSOL
SEE CELL COMPONENTS, CYTOPLASM

CYTOTOXICITY
SEE TOXICOLOGY, CYTOTOXICITY

D GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

DAIRY PRODUCTS
SEE FOOD, DAIRY PRODUCTS

DANLOS SYNDROME
SEE METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME

DARK REPAIR
SEE NUCLEIC ACIDS REPAIR

DATA BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA MANAGEMENT SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA MONITORING AND REPORTING SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

(cont'd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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DECALCIFICATION PATHOLOGIC
SEE CALCIUM (MINERAL) IMBALANCES, DECALCIFICATION PATHOLOGIC

DECALCIFICATION PHYSIOLOGIC
SEE CALCIUM (MINERAL) BALANCE, DECALCIFICATION PHYSIOLOGIC

DECARBOXYLASES, ORNITHINE DECARBOXYLASE
R23DE-06040-03 Polyamines and palatal development (rabbits)

DECIDUOUS TEETH
SEE DENTAL STRUCTURE, TOOTH, DECIDUOUS TEETH

DECISION MAKING
SEE PSYCHOLOGY, COGNITION, DECISION MAKING

DECISION MAKING, COMPUTER ASSISTED
MEDICAL DECISION MAKING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING

DECISION MAKING, HEALTH CARE EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION

DEFLUORIDATION
SEE HALOGENATION, FLUORIDATION-DEFLUORIDATION

DEGENERATIVE JOINT DISEASE
SEE SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS

DEGLUTITION
SEE GASTROINTESTINAL FUNCTION, DEGLUTITION

DEHYDRASES
SEE OXIDOREDUCTASES, DEHYDROGENASES

DEHYDRATASES, CARBONIC ANHYDRASE
R01DE-04345-09 Cell biology of osteoclasts (chickens)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)

DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria

DEHYDRATED FOODS
SEE FOOD SCIENCES AND TECHNOLOGY, DEHYDRATED FOODS

DEHYDRATION
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

7-DEHYDROCHOLESTEROL (ACTIVATED)
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

DEHYDROGENASES
SEE OXIDOREDUCTASES, DEHYDROGENASES

DELAYED ACTION PREPARATIONS
SEE DOSAGE FORMS

DELIVERY OF HEALTH CARE
SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT

DEMETHYLATION
SEE ALKYL (GROUPS), METHYLATION-DEMETHYLATION

DEMOGRAPHY
SEE POPULATION STUDIES HUMAN

DENATURATION
SEE PROTEINS DENATURATION

DENDRITES
SEE NERVOUS SYSTEM, NEURONS, DENDRITES

DENERVATION
SEE NEUROSURGERY, DENERVATION (GENERAL)

DENSITOMETRY
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

DENSITY (SPECIFIC GRAVITY)
SEE PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)

DENSITY, BONE
SEE SKELETAL SYSTEM, BONE DENSITY

DENSITY, OPTICAL
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

DENTAL ABSCESS
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)

DENTAL ADHESIVES
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

DENTAL ALVEOLUS
SEE DENTAL STRUCTURE, DENTAL ALVEOLUS

DENTAL ANESTHESIA
SEE SENSORY DEPRESSION, ANESTHESIA DENTAL

DENTAL ASSISTANTS
SEE DENTAL PERSONNEL, DENTAL ASSISTANTS

DENTAL CALCULUS
SEE DENTAL DEPOSITS

DENTAL CARIES
SEE ALSO DENTAL FILLINGS
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE
** R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
M P50DE-02670-18 Institute of dental research
** P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
** P50DE-02670-18 0040 Institute of dental research - Streptococcus mutans strains common to mother and child
P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci
** P50DE-02731-18 0037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
** P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
** R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-12 Glycosyltransferases from oral bacteria
** R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-03868-09 Children's acceptance of caries preventive procedures
** R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04068-10 Statistical methods in dental research
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04274-10 Studies on the genetics of oral microflora (rats)
** R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
** R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-04529-08 Replacement therapy of dental caries (rats)
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
R01DE-04705-05 Reactions of titanium fluoride with hydroxapatite
** R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
** R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R23DE-05893-03 Structural modulation of enamel pellicle formation
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
** R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06071-01 Calcium metabolism in Streptococcus mutans
** R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06112-04 Filled sealant as a conservative restorative material (human)
R01DE-06160-02 Maternal transmission of streptococcus mutans (human)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R01DE-06402-02 Root caries--An in vitro model system
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
** R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)
** R01DE-06564-03 Remineralization of enamel caries in vitro (human)
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
** R01DE-06740-01 Human antibody responsiveness and dental caries
** R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06761-01 Prevention of surface zone limited caries of enamel
** R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)
R03DE-06814-01 Transposon mutagenesis of the oral streptococci
** R23DE-06829-02 Acid-etching and remineralization of enamel caries in vitro
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06951-01 Study of F actions on human root surface caries
** R01DE-06962-01 Surface protein antigens of cariogenic streptococci
M P50DE-07003-01 Rochester caries research center
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans
** P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
** P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
M P50DE-07009-01 Specialized caries research centers
** P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
** P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
** P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
** P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
M P50DE-07010-01 Specialized caries research center
P50DE-07010-01 0002 Specialized caries research center - Influence of plaque pH on mineralization
** P50DE-07010-01 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries
P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
** P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R01DE-07257-01 IgA protease and dental caries
** N01DE-12434-06 Identify cariogenic elements of food
** N01DE-32400-04 NaF mouthrinsing for caries prevention
** N01DE-32445-02 National caries program
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)
N01DE-42553-00 Epidemiologic survey of oral health in adults

DENTAL CARIES INHIBITORS
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)
P01DE-01850-21 0088 Nutritional sources and metabolic roles of fluoride - Determining ionic fluoride content of human plasma
P01DE-01850-21 0089 Nutritional sources and metabolic roles of fluoride - Fluoride and glycosaminoglycans in bone (rats)
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
** P50DE-02670-18 0036 Institute of dental research - Dental caries preventive measures (rats)
R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
P01DE-03868-09 Children's acceptance of caries preventive procedures
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04436-07 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04529-08 Replacement therapy of dental caries (rats)
R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
R01DE-05017-06 Characterization of surface antigens of S mutans (hamsters, rabbits)
R01DE-05067-06 Interaction of topical fluoride with human enamel (hamsters)
** R01DE-05102-07 Potential anti-caries agents (rats)
R01DE-05354-07 Prevention of dental caries (rats, human)
** R01DE-05739-03 Fluoride redistribution during in vitro caries formation (human)
** R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)
R01DE-06402-02 Root caries--An in vitro model system
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
** R01DE-06951-01 Study of F actions on human root surface caries
** P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)
P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
N01DE-22439-04 Cost of combined sealant and self-applied fluoride program
** N01DE-32441-03 Effect of prenatal fluoride in preventing dental caries (human)
** N01DE-52484-10 Antiplaques/food additives/other agents--Anticaries

DENTAL CARIES INHIBITORS, SLOW RELEASE

** R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
** N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device

DENTAL CARIES VACCINE

SEE VACCINES, BACTERIAL, ANTI-CARIES VACCINE

DENTAL DEPOSITS

R01DE-01554-23 Host factors in caries resistance (human bacteria)
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
** R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)
R01DE-06250-02 Histologic evaluation of new attachments in humans
R44DE-06779-02 Evaluation of a new automated periodontal probe

DENTAL DEPOSITS, PLAQUE

SEE ALSO MICROBIAL MATTS

R01DE-01554-23 Host factors in caries resistance (human, bacteria)
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
** P50DE-02623-17 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
** P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
** P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
** R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
R01DE-03487-13 Inhibition of human cariogenic streptococci
** R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
** R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
** R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
P50DE-04881-08 0002 Clinical research in periodontal diseases - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
** R01DE-04890-06 Systematic plaque control - healing following periodontal surgery (human)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06103-02 Evaluation of four modalities of periodontal therapy
R01DE-06127-02 Acid-base physiology of oral streptococci
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
R01DE-06731-02 Monoclonal antibody analysis of plaque microorganisms (mice)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R01DE-06417-01 Factors influencing long-term oral self-care (human)
** R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
** R03DE-06453-02 Detection of B gingivalis in plaque by ELISA procedure (human, mammals)
** R03DE-06475-02 Automated immunofluorescent speciation of oral bacteria (rabbits)
** R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06622-01 Molecular mechanisms of periodontal disease
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06656-02 Promoting adherence to a dental regimen
R01DE-06740-01 Human antibody responsiveness and dental caries
** R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
** P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
** P50DE-07010-01 0002 Specialized caries research center - Influence of plaque pH on mineralization
** P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
R01DE-07257-01 IgA protease and dental caries
N01DE-12430-08 Investigation of anticaries vaccine in primates
** N01DE-12433-04 Phase contrast evaluation of subgingival plaque
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
N01DE-32445-02 National caries program
N01DE-52484-10 Antiplaques/food additives/other agents--Anticaries

DENTAL DEPOSITS REMOVAL

R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R01DE-06137-02 Mechanical properties of gingiva to resist probing (dogs)
** R01DE-06417-01 Factors influencing long-term oral self-care (human)
R23DE-06522-02 Schooling and work setting--Effects on dental hygienists

DENTAL DEVELOPMENT

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
SEE ALSO DENTAL STRUCTURE, AMELOBLASTS
SEE ALSO DENTAL STRUCTURE, ENAMEL ORGAN
SEE ALSO DENTAL STRUCTURE, ODONTOBLASTS

** R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02623-17 0037 Center for oral health research - Enamel proteins and their genes
** P50DE-02668-18 0029 Regional dental research center - Acid phosphatases in developing bones and teeth (rats)
** P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
** P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** P50DE-02670-18 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
M P01DE-02848-14 Biology of connective tissue, bones, and teeth
** P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
** P01DE-02848-14 0006 Biology of connective tissue, bones, and teeth - Gene expression during ameloblast differentiation (rabbits)
P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-02862-17 Growth and development of the human head
** R01DE-03223-14 Kinetics of mineralization of teeth (human)

(cont'd)

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**Oriented significantly to above subject

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P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
** R01DE-05769-06 Ultrastructure of tooth development (rats)
** R01DE-05780-03 Development and mineralization of enamel in teeth
** R23DE-05893-03 Structural modulation of enamel pellicle formation
** R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
** R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)
** R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)
R01DE-06955-01 Epidermal growth factor and tooth development (mice)
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

DENTAL DEVELOPMENT, DENTINOGENESIS

P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
** R01DE-05092-06 Proteins involved in dentinogenesis
** R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06525-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)

DENTAL DISCOLORATION

** R01DE-04136-10 Maxillofacial materials--Color study (human)
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)

DENTAL DISCOLORATION, DENTAL MOTTLING

SEE ALSO HALOGEN POISONING, FLUOROSIS
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
** R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)

DENTAL DISORDERS

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
SEE ALSO DENTAL ABSCESS
SEE ALSO DENTAL PULP DISORDERS
SEE ALSO ORAL-PHARYNGEAL DISORDERS (GENERAL)
** P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
M P01DE-02847-16 Microbial ecology and its relation to dental disease
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
R01DE-05024-06 Craniofacial abnormalities in mice with vitamin D resistant rickets
R03DE-07024-01 Oral signs and symptoms in bulimic patients
** N01DE-42553-00 Epidemiologic survey of oral health in adults

DENTAL DISORDERS, GINGIVAL

P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04881-08 0003 Clinical research in periodontal diseases - Host immunologic response to oral microorganisms
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-06103-02 Evaluation of four modalities of periodontal therapy
R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
R01DE-06622-01 Molecular mechanisms of periodontal disease
N01DE-42553-00 Epidemiologic survey of oral health in adults

DENTAL DISORDERS, GINGIVAL HYPERPLASIA

** R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)

DENTAL DISORDERS, GINGIVITIS

** P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
R01DE-05054-06 Periodontal disease--Microbiological studies (human)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R01DE-06740-01 Human antibody responsiveness and dental caries
R43DE-06788-01 Phase I laser velocimetry for periodontal disease (dogs)
** R23DE-06832-01 Experimental diabetes and periodontitis (monkeys)
R01DE-06953-01 Hydroxyproline levels in periodontal health and disease (dogs)
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)

DENTAL DISORDERS, MALOCCLUSION

SEE ALSO DENTAL OCCLUSION
SEE ALSO DENTISTRY, ORTHODONTICS
** R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R03DE-06813-01 Digastric and lateral pterygoid muscle function
R03DE-06819-01 TMJ clicking related to orthodontic therapy
** R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)
** P01DE-06946-01 0019 Pathophysiology of MPD and other facial pain syndromes - Surveys and longitudinal studies of internal derangements of the TMJ (human)
P01DE-06946-01 0021 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients

DENTAL DISORDERS, PERIODONTAL

SEE ALSO DENTAL DISORDERS, GINGIVAL
SEE ALSO DENTISTRY, SUBGINGIVAL CURETTAGE
** R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
** P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02623-17 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
P50DE-02623-17 3023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resorption
P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
** P50DE-02731-18 0033 Development support for dental research institute - Clinical trials of periodontal therapy (human)
** P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
** P01DE-02847-16 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03301-14 Connective tissues of the periodontium (human, dog)
** R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
** R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04529-08 Replacement therapy of dental caries (rats)
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
** R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
M P50DE-04881-08 Clinical research in periodontal diseases
** P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
** P50DE-04881-08 0002 Clinical research in periodontal diseases - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-08 0003 Clinical research in periodontal diseases - Host immunologic response to oral microorganisms
** P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
** R01DE-04890-06 Systematic plaque control - healing following periodontal surgery (human)
M P50DE-04898-08 Periodontal disease research center
** P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
** P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
** P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
** R01DE-05054-06 Periodontal disease--Microbiological studies (human)
** R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
M P50DE-05139-07 Clinical research center for periodontal disease
** P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
** P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
** R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
** R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05429-06 Adherence of periodontal disease-associated bacteria
** R01DE-05494-05 Activation of macrophages in periodontal disease (mice)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05623-03 Bacterial products and bone metabolism (rats)
** R01DE-05626-04 Role of complement in periodontal disease
** R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
** R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
** R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
** R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
** R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)
** R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06103-02 Evaluation of four modalities of periodontal therapy
R01DE-06175-02 Beta-lactamases produced by perindontal bacteria
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
R01DE-06250-02 Histologic evaluation of new attachments in humans
R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R01DE-06417-01 Factors influencing long-term oral self-care (human)
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
** R23DE-06436-03 Periodontosis--Characterization of the neutrophil defect (human)
R03DE-06453-02 Detection of B gingivalis in plaque by ELISA procedure (human, mammals)
** R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
** R01DE-06516-02 Oral infection in myelosuppressed cancer patients
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
** R01DE-06622-01 Molecular mechanisms of periodontal disease
** R01DE-06624-02 OAF synthesis in periodontal disease (human)
R23DE-06640-02 Neutrophil defects induced by oral bacterial products
R01DE-06656-02 Promoting adherence to a dental regimen
** R03DE-06706-02 Bacterial chemotaxis in oral treponema species
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
** R44DE-06779-02 Evaluation of a new automated periodontal probe
** R43DE-06788-01 Phase I laser velocimetry for periodontal disease (dogs)
R03DE-06814-01 Transposon mutagenesis of the oral streptococci
** R01DE-06860-01 Complement monocyte interactions in periodontal disease
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
R43DE-06932-01 Periodontal temperature probe
** R01DE-06953-01 Hydroxyproline levels in periodontal health and disease (dogs)
R03DE-06969-01 Real time high resolution dental microradiography
** R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
R03DE-07005-01 Reactivity of saliva with complement
R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis
** R43DE-07022-01 New controlled release antibiotic delivery systems
** R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)
N01DE-42500-02 Microbiological information system
N01DE-42553-00 Epidemiologic survey of oral health in adults

DENTAL DISORDERS, PERIODONTITIS

** P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
** P50DE-02600-18 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
** P50DE-02600-18 0037 Support for oral biology research center - Peridontal microflora (human)
** P50DE-02600-18 0038 Support for oral biology research center - Connective tissue, fibroblasts and periodontitis (human)
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
** R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05054-06 Periodontal disease--Microbiological studies (human)
** P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R23DE-05793-03 Degradation of collagen in inflammation (human)
** R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
** R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
** R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
** R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
** R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)
** R23DE-06832-01 Experimental diabetes and periodontitis (monkeys)
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
** R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)
** N01DE-12433-04 Phase contrast evaluation of subgingival plaque

DENTAL DISORDERS, TOOTH LOSS

SEE ALSO DENTAL EXTRACTION
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
** R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
R01DE-06622-01 Molecular mechanisms of periodontal disease

DENTAL DISORDERS, TOOTH RESORPTION

SEE ALSO CALCIFICATION ENHANCING AGENTS
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

DENTAL DISORDERS CHEMOTHERAPY

SEE ALSO CALCIFICATION ENHANCING AGENTS
SEE ALSO CONSUMER PRODUCTS, MOUTHWASHES
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
P50DE-04881-08 0002 Clinical research in periodontal diseases - Relationship of subgingival microbiota to the etiology of periodontal diseases
P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
M P50DE-04898-08 Periodontal disease research center
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
** P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
** R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
** P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
** R43DE-07022-01 New controlled release antibiotic delivery systems

DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED

M P01DE-01850-21 Nutritional sources and metabolic roles of fluoride
** P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat
P01DE-01850-21 0071 Nutritional sources and metabolic roles of fluoride - Fluoride content of infant, toddler and adult foods (human)
P01DE-01850-21 0075 Nutritional sources and metabolic roles of fluoride - Metabolic handling of perfluorooctanoic acid (rats)
P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
** P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)
** P01DE-01850-21 0088 Nutritional sources and metabolic roles of fluoride - Determining ionic fluoride content of human plasma
** P01DE-01850-21 0089 Nutritional sources and metabolic roles of fluoride - Fluoride and glycosaminoglycans in bone (rats)
** P01DE-01850-21 0090 Nutritional sources and metabolic roles of fluoride - Effect of skeletal fluoride load on retention of administered fluoride (rats)
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-02 Acid-base physiology of oral streptococci
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
R03DE-06438-02 Effect of fluoride on neutrophil function (human)
** N01DE-32441-03 Effect of prenatal fluoride in preventing dental caries (human)
** N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
N01DE-32445-02 National caries program

DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)

P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)

(cont'd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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R01DE-02525-19 Ultrastructural histopathology of human dental enamel
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
** P50DE-02670-18 0036 Institute of dental research - Dental caries preventive measures (rats)
P50DE-02731-18 0037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04385-09 Mechanism of dental caries (human)
** R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04705-05 Reactions of titanium fluoride with hydroxyapatite
** R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05067-06 Interaction of topical fluoride with human enamel (hamsters)
R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
** R01DE-05354-07 Prevention of dental caries (rats, human)
** R01DE-05739-03 Fluoride redistribution during in vitro caries formation (human)
** R23DE-05969-03 Effect of single and multiple applications of fluoride (human)
** R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-02 Acid-base physiology of oral streptococci
** R23DE-06208-01 Preventive services adoption in private dental practices
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
** R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
** R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
R23DE-06829-02 Acid-etching and remineralization of enamel caries in vitro
** R01DE-06951-01 Study of F actions on human root surface caries
** P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
** N01DE-32400-04 NaF mouthrinsing for caries prevention
** N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
N01DE-32445-02 National caries program

DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*

SEE ALSO ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

** P50DE-02600-18 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
** P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
** P50DE-02731-18 G037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries
** P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies
R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
** P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
M P50DE-04898-08 Periodontal disease research center
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05695-03 Immunopathologic study of dental pulpitis
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06379-02 Dental xeroradiography--Clinical investigation
R01DE-06417-01 Factors influencing long-term oral self-care (human)
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
** R03DE-06453-02 Detection of B gingivalis in plaque by ELISA procedure (human, mammals)
R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R03DE-06706-02 Bacterial chemotaxis in oral treponema species
** R44DE-06779-02 Evaluation of a new automated periodontal probe
** R43DE-06788-01 Phase I laser velocimetry for periodontal disease (dogs)
R03DE-06793-01 Measurement of biologically based judgment in practice
** R23DE-06865-01 Child desensitization for dental visits (human)
R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)
** R43DE-06932-01 Periodontal temperature probe
R03DE-06969-01 Real time high resolution dental microradiography
** P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)
** P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
** N01DE-12433-04 Phase contrast evaluation of subgingival plaque

DENTAL DYSPLASIA, CONGENITAL

SEE CONGENITAL ABNORMALITIES, DENTITION

DENTAL EDUCATION (HEALTH OCCUPATIONS)

SEE EDUCATION, HEALTH OCCUPATIONS, DENTAL

DENTAL EDUCATION (PREVENTIVE)

SEE EDUCATION, HEALTH EDUCATION, DENTAL

DENTAL EXAMINATIONS

SEE DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*

DENTAL EXTRACTION

SEE ALSO DENTAL DISORDERS, TOOTH LOSS
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
R01DE-05369-06 Factors affecting dental postoperative pain (human)

DENTAL FEAR AND ANXIETY

** R01DE-04494-07 Control of stress during dental procedures (human)
** P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05913-03 Experiments in management of fearful children (human)
** R01DE-06219-02 Facial behavior related to acute dental pain (human)
** R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R03DE-06692-02 Neurohumoral responses to pain and anxiety
** R23DE-06865-01 Child desensitization for dental visits (human)
** R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)

DENTAL FILLINGS

SEE ALSO DENTAL CARIES
P50DE-02668-18 0191 Regional dental research center - Clinical evaluation of restorative materials and techniques (human)
R01DE-05761-05 Improved dental instruments and materials
R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R43DE-07050-01 Improved dental composite filling materials

DENTAL FILLINGS, DENTAL INLAYS

R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-05761-05 Improved dental instruments and materials
R43DE-07050-01 Improved dental composite filling materials

DENTAL HEALTH (ORAL HEALTH)

SEE ALSO DENTISTRY, PREVENTIVE
SEE ALSO POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

** P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
R01DE-02862-17 Growth and development of the human head
R01DE-04890-06 Systematic plaque control - healing following periodontal surgery (human)
** R01DE-05102-07 Potential anti-caries agents (rats)
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
** R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R01DE-06516-02 Oral infection in myelosuppressed cancer patients
R01DE-06638-01 Complete denture service psychophysiological criteria
** R01DE-06656-02 Promoting adherence to a dental regimen
R03DE-06818-01 College students and comprehensive care effectiveness
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation drug use and caries in the elderly
** N01DE-32445-02 National caries program
** N01DE-42553-00 Epidemiologic survey of oral health in adults

DENTAL HEALTH, COMMUNITY DENTAL HEALTH

** R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain

DENTAL HEALTH EDUCATION

SEE EDUCATION, HEALTH EDUCATION, DENTAL

DENTAL HEALTH FACILITIES

** P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

DENTAL HEALTH SERVICES

** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05913-03 Experiments in management of fearful children (human)
R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R23DE-06207-02 Patient response to student dentists affective behavior
R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R23DE-06562-01 Fluoridation effects on dental demand (human)
** R23DE-06865-01 Child desensitization for dental visits (human)
** R01DE-06895-01 Implementing preventive dental programs in schools

DENTAL (HEALTH) SURVEYS

SEE POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

DENTAL IMPLANT (PROSTHETICS)

SEE DENTAL PROSTHESIS, DENTAL IMPLANT

DENTAL IMPLANT ENDOSSEOUS

SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

DENTAL INLAYS

SEE DENTAL FILLINGS, DENTAL INLAYS

DENTAL INSTRUMENTS*

** R01DE-05761-05 Improved dental instruments and materials
** R03DE-06456-01 Sterilization effectiveness using glow discharge methods
** R44DE-06779-02 Evaluation of a new automated periodontal probe

DENTAL INSURANCE

SEE HEALTH INSURANCE, DENTAL

DENTAL MATERIALS

SEE ALSO ORAL-FACIAL RESTORATION MATERIALS
** P50DE-02668-18 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials
** P50DE-02668-18 0191 Regional dental research center - Clinical evaluation of restorative materials and techniques (human)
** R01DE-04136-10 Maxillofacial materials--Color study (human)
** R01DE-05129-07 Improvement of preventive and restorative materials (human)
R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
** R01DE-05423-05 Diffuse reflectance by esthetic dental materials
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
** R01DE-05761-05 Improved dental instruments and materials
R01DE-05956-04 The adhesive of Mytilus byssus
** R01DE-05980-01 Stress analysis of mandibular partial dentures
** R01DE-06170-02 Radiopaque restorative and prosthetic dental resins

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R01DE-06762-01 Development of an advanced artificial oral environment
** R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)
R01DE-06994-01 Palladium containing dental amalgam
** R03DE-07045-01 Fatigue of ceramics in a simulated oral environment
** R43DE-07050-01 Improved dental composite filling materials

DENTAL MATERIALS, AMALGAM DENTAL
** R01DE-02320-19 Clinical behavior of dental restorative materials (human)
P50DE-02668-18 0191 Regional dental research center - Clinical evaluation of restorative materials and techniques (human)
** R01DE-02936-16 Relationship of microstructure to behavior of amalgam
** R01DE-03601-11 Effect of corrosion on dental amalgams
** R01DE-04516-06 Corrosion and clinical behavior of dental amalgam
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05423-05 Diffuse reflectance by esthetic dental materials
R01DE-05761-05 Improved dental instruments and materials
** R01DE-05952-03 Comparison of clinical evaluation methods for amalgam (human)
R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
** R01DE-06563-02 Microstructure vs. deterioration of amalgam restorations
** R03DE-06600-01 Salivary dissolution of mercury from dental amalgams
R01DE-06720-01 Resistance of various restorative materials
** R01DE-06994-01 Palladium containing dental amalgam

DENTAL MATERIALS, BONDING
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05129-07 Improvement of preventive and restorative materials (human)
** R01DE-05461-04 Bonding of dental porcelain to non-precious alloys
R01DE-05761-05 Improved dental instruments and materials
** R03DE-06466-02 Clinical study of composite resin-tooth interface
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
R43DE-07050-01 Improved dental composite filling materials

DENTAL MATERIALS, CASTING
SEE ALSO DENTAL MATERIALS, INVESTMENT
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05321-05 Titanium alloys in dentistry
R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05761-05 Improved dental instruments and materials
R01DE-05940-03 Chemical stability of low nobility dental alloys

DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
R01DE-02320-19 Clinical behavior of dental restorative materials (human)
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
P50DE-02731-18 0037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin
R01DE-05761-05 Improved dental instruments and materials
** R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
** R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R23DE-06208-01 Preventive services adoption in private dental practices
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
** R03DE-06675-01 Biological evaluation of a new dental cement (rats)
** R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)
R43DE-07050-01 Improved dental composite filling materials
** N01DE-22439-04 Cost of combined sealant and self-applied fluoride program
N01DE-32445-02 National caries program
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

DENTAL MATERIALS, DENTAL METALS
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
R01DE-02320-19 Clinical behavior of dental restorative materials (human)
R01DE-02936-16 Relationship of microstructure to behavior of amalgam
R01DE-04226-08 Subperiosteal oral implants (monkeys)
** R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05321-05 Titanium alloys in dentistry
** R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
** R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
** R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05761-05 Improved dental instruments and materials
** R01DE-05940-03 Chemical stability of low nobility dental alloys
** R01DE-06374-03 Semi- and nonprecious metal-procelain systems
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
** R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
** R01DE-06672-02 Optimization of metal-ceramic restoration design
R01DE-06720-01 Resistance of various restorative materials
** R03DE-06816-01 Toward revising the standard tests for orthodontic wire
R01DE-06994-01 Palladium containing dental amalgam

DENTAL MATERIALS, IMPRESSION MATERIALS
R01DE-05761-05 Improved dental instruments and materials

DENTAL MATERIALS, INVESTMENT
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05761-05 Improved dental instruments and materials

DENTAL MATERIALS, PORCELAINS
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05423-05 Diffuse reflectance by esthetic dental materials
** R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05761-05 Improved dental instruments and materials
** R01DE-06374-03 Semi- and nonprecious metal-procelain systems
** R01DE-06672-02 Optimization of metal-ceramic restoration design
R03DE-07045-01 Fatigue of ceramics in a simulated oral environment

DENTAL MATERIALS, ROOT CANAL FILLING MATERIALS
R01DE-05761-05 Improved dental instruments and materials
R43DE-07050-01 Improved dental composite filling materials

DENTAL MATERIALS, WEAR
** P50DE-02668-18 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-04516-06 Corrosion and clinical behavior of dental amalgam
R01DE-05940-03 Chemical stability of low nobility dental alloys
R01DE-05945-03 Physicochemical modifications of dental restoratives
** R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
** R01DE-06563-02 Microstructure vs. deterioration of amalgam restorations
** R01DE-06720-01 Resistance of various restorative materials
R03DE-06816-01 Toward revising the standard tests for orthodontic wire
** R03DE-07045-01 Fatigue of ceramics in a simulated oral environment
R43DE-07050-01 Improved dental composite filling materials

DENTAL METALS
SEE DENTAL MATERIALS, DENTAL METALS

DENTAL MOTTLING
SEE DENTAL DISCOLORATION, DENTAL MOTTLING

DENTAL OCCLUSION
SEE ALSO DENTAL DISORDERS, MALOCCLUSION
SEE ALSO DENTISTRY, ORTHODONTICS
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-02862-17 Growth and development of the human head
P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
R01DE-05669-04 Chorion type and dental morphology in twins (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)

DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)
** R01DE-03953-10 Force systems from orthodontic appliances
** R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-04531-07 Strain in the facial bones (monkeys)
R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
** R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
R01DE-05980-01 Stress analysis of mandibular partial dentures
R01DE-06762-01 Development of an advanced artificial oral environment
R03DE-06813-01 Digastric and lateral pterygoid muscle function
R03DE-06816-01 Toward revising the standard tests for orthodontic wire
** R03DE-06817-01 Maxillary expansion using laser specklegrammetry (human)
** R01DE-06943-01 Central projections of MES V afferents (cats)
** P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of biteplate designs--Treatment of MPD syndrome (human)
** R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)

DENTAL PAIN
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-04494-07 Control of stress during dental procedures (human)
** R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
M P01DE-05130-05 Dental/orofacial pain--Mechanisms behavior and modulation
** P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
** P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man
** R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05369-06 Factors affecting dental postoperative pain (human)
** R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
** R01DE-05895-03 Tooth sensation (human)
** R01DE-06219-02 Facial behavior related to acute dental pain (human)
R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)
** R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R03DE-06692-02 Neurohumoral responses to pain and anxiety
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
R03DE-07012-01 Therapeutic regimens for dental surgery
** R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

DENTAL PERSONNEL
SEE ALSO EDUCATION, HEALTH OCCUPATIONS, DENTAL
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
** R23DE-06207-02 Patient response to student dentists affective behavior
** R03DE-06793-01 Measurement of biologically based judgment in practice
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07042-01 Interdependence in the dentist-patient relationship

DENTAL PERSONNEL, DENTAL ASSISTANTS
** R23DE-06522-02 Schooling and work setting--Effects on dental hygienists
N01DE-22439-04 Cost of combined sealant and self-applied fluoride program

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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DENTAL PHARMACOLOGY
** P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
** R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R03DE-06692-02 Neurohumoral responses to pain and anxiety
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
** N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
** N01DE-52484-10 Antiplaques/food additives/other agents--Anticaries

DENTAL PLAQUE
SEE DENTAL DEPOSITS, PLAQUE

DENTAL PLAQUE REMOVAL
SEE DENTAL DEPOSITS REMOVAL

DENTAL PROSTHESIS
SEE ALSO DENTAL FILLINGS
SEE ALSO DENTAL MATERIALS, PORCELAINS
SEE ALSO DENTAL MATERIALS, WEAR
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, PROSTHODONTICS
P50DE-02668-18 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
** R01DE-04516-06 Corrosion and clinical behavior of dental amalgam
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
** R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
** R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
** R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-05952-03 Comparison of clinical evaluation methods for amalgam (human)
** R01DE-06112-04 Filled sealant as a conservative restorative material (human)
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
R03DE-06466-02 Clinical study of composite resin-tooth interface
R01DE-06672-02 Optimization of metal-ceramic restoration design
** P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of biteplate designs--Treatment of MPD syndrome (human)
P01DE-06946-01 0017 Pathophysiology of MPD and other facial pain syndromes - Manipulation therapy for patients with internal derangement of the TMJ (human)

DENTAL PROSTHESIS, DENTAL IMPLANT
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-05761-05 Improved dental instruments and materials
** R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)

DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS
** R01DE-04226-08 Subperiosteal oral implants (monkeys)
** R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
** R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R01DE-05761-05 Improved dental instruments and materials

DENTAL PROSTHESIS, DENTURES
** R01DE-02320-19 Clinical behavior of dental restorative materials (human)
** R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-05321-05 Titanium alloys in dentistry
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
** R01DE-05980-01 Stress analysis of mandibular partial dentures
** R01DE-06638-01 Complete denture service psychophysiological criteria
** P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)

DENTAL PULP CALCIFICATION
SEE DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION

DENTAL PULP DEVITALIZATION (MUMMIFICATION)
SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY

DENTAL PULP DISORDERS
SEE ALSO DENTAL ABSCESS
** R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
** R01DE-05635-03 Immunopathologic study of dental pulpitis
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
** R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)

DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION
R01DE-05262-05 Mineralization in oral biology (mice, rats)
** R03DE-06714-01 New approach to fixation of human pulp and dentine

DENTAL PULP OBTURATION
SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY

DENTAL RADIOGRAPHY
SEE DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*

DENTAL RESEARCH*
** R01DE-04068-10 Statistical methods in dental research
P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of biteplate designs--Treatment of MPD syndrome (human)
P01DE-06946-01 0021 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
M P50DE-07010-01 Specialized caries research center

DENTAL RESEARCH INSTITUTE REVIEW COMMITTEE
M P50DE-02600-18 Support for oral biology research center
M P50DE-02623-17 Center for oral health research
M P50DE-02668-18 Regional dental research center
M P50DE-02670-18 Institute of dental research
M P50DE-02731-18 Development support for dental research institute
M P50DE-04881-08 Clinical research in periodontal diseases
M P50DE-04898-08 Periodontal disease research center
M P50DE-05139-07 Clinical research center for periodontal disease
** R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)
** R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
** R03DE-06272-01 Oxygen and sodium valproate induced craniofacial defects (mice)
** R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)
** R03DE-06298-02 Oral and skin defects in pupoid fetus (pl/pl) mice
** R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)
** R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)
** R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
** R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R03DE-06453-02 Detection of B gingivalis in plaque by ELISA procedure (human, mammals)
** R03DE-06456-01 Sterilization effectiveness using glow discharge methods
** R03DE-06466-02 Clinical study of composite resin-tooth interface
** R03DE-06486-02 Microsphere binding to palatal glycoproteins
** R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)
** R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
** R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts
** R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
** R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
** R03DE-06572-01 Isolation of herpes simplex virion attachment protein
** R03DE-06575-02 Herpes simplex virus DNA polymerase and drug resistance
** R03DE-06586-02 A genetic approach for study of actinomyces viscosus
** R03DE-06600-01 Salivary dissolution of mercury from dental amalgams
** R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
** R03DE-06675-01 Biological evaluation of a new dental cement (rats)
** R03DE-06677-01 Vascular casting of the dental pulp (cats)
** R03DE-06678-01 Assessment of genetic toxicity mediated by steviol (rats)
** R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
** R03DE-06681-02 Electron microprobe study of bone resorption (rats)
** R03DE-06690-01 Long-term follow-up of craniofacial injuries
** R03DE-06692-02 Neurohumoral responses to pain and anxiety
** R03DE-06706-02 Bacterial chemotaxis in oral treponema species
** R03DE-06714-01 New approach to fixation of human pulp and dentine
** R03DE-06793-01 Measurement of biologically based judgment in practice
** R03DE-06798-01 Testing of a model live herpes simplex virus vaccine (mice)
** R03DE-06799-01 Speech prostheses in orofacial cancer patients
** R03DE-06803-01 Intermicroscopic correlation of remineralization
** R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
** R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)
** R03DE-06813-01 Digastric and lateral pterygoid muscle function
** R03DE-06814-01 Transposon mutagenesis of the oral streptococci
** R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)
** R03DE-06816-01 Toward revising the standard tests for orthodontic wire
** R03DE-06817-01 Maxillary expansion using laser speckiegrammetry (human)
** R03DE-06818-01 College students and comprehensive care effectiveness
** R03DE-06819-01 TMJ clicking related to orthodontic therapy
** R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice
** R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)
** R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)
** R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)
** R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
** R03DE-06907-01 Osteogenic potential of DBP and hydroxylapatite in dogs
** R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis
** R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)
** R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)
** R03DE-06937-01 Structure-activity of polycarboxylate absorption by hydroxyapatite
** R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)
** R03DE-06969-01 Real time high resolution dental microradiography
** R03DE-07005-01 Reactivity of saliva with complement
** R03DE-07012-01 Therapeutic regimens for dental surgery
** R03DE-07013-01 Absorption of glutaraldehyde from pulpotomy sites (dogs)
** R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis
** R03DE-07019-01 Ultrasonic detection of oral markers (human)
** R03DE-07024-01 Oral signs and symptoms in bulimic patients
** R03DE-07042-01 Interdependence in the dentist-patient relationship
** R03DE-07045-01 Fatigue of ceramics in a simulated oral environment
** R03DE-07046-01 Cell migration in experimental periodontal wounds (monkey)

DENTAL SEALANTS
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

DENTAL STRESS ANALYSIS
SEE ALSO DENTAL MATERIALS, WEAR
R01DE-05321-05 Titanium alloys in dentistry
P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of biteplate designs--Treatment of MPD syndrome (human)

DENTAL STRUCTURE
SEE ALSO ORAL-PHARYNGEAL (REGION)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05669-04 Chorion type and dental morphology in twins (human)

DENTAL STRUCTURE, AMELOBLASTS
P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
** P01DE-02848-14 0006 Biology of connective tissue, bones, and teeth - Gene expression during ameloblast differentiation (rabbits)
** P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
** R01DE-05769-06 Ultrastructure of tooth development (rats)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
** R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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DENTAL STRUCTURE, CEMENTUM

R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
** R01DE-06250-02 Histologic evaluation of new attachments in humans
** R01DE-06485-02 Cemental annulation--Aging in forensic dentistry (human)
R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
R44DE-06779-02 Evaluation of a new automated periodontal probe
R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)

DENTAL STRUCTURE, DENTAL ALVEOLUS

** P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
** R23DE-06033-03 Osteoporosis and oral changes in older women
** R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)
** R03DE-06465-02 Effect of vital apicoectomy on the dental tissues (monkeys)
R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
R03DE-06969-01 Real time high resolution dental microradiography
P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)

DENTAL STRUCTURE, DENTIN

** R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
** R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin
R01DE-05092-06 Proteins involved in dentinogenesis
R01DE-05262-05 Mineralization in oral biology (mice, rats)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)
** R13DE-06711-01 International workshop on the biology of dentin and pulp (North Carolina)
** R03DE-06714-01 New approach to fixation of human pulp and dentine
R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R23DE-06896-01 Nonenzymatic reactions in human dentin proteins
R01DE-06955-01 Epidermal growth factor and tooth development (mice)
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)

DENTAL STRUCTURE, ENAMEL

R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
** R01DE-02525-19 Ultrastructural histopathology of human dental enamel
** P50DE-02623-17 0037 Center for oral health research - Enamel proteins and their genes
** P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** P50DE-02670-18 0036 Institute of dental research - Dental caries preventive measures (rats)
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
** P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
P01DE-02848-14 0006 Biology of connective tissue, bones, and teeth - Gene expression during ameloblast differentiation (rabbits)
P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-03273-14 Kinetics of mineralization of teeth (human)
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-04122-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
R01DE-04529-08 Replacement therapy of dental caries (rats)
R01DE-04705-05 Reactions of titanium fluoride with hydroxapatite
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05067-06 Interaction of topical fluoride with human enamel (hamsters)
** R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
** R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca facicularis)
** R01DE-05769-06 Ultrastructure of tooth development (rats)
** R01DE-05780-03 Development and mineralization of enamel in teeth
** R23DE-05969-03 Effect of single and multiple applications of fluoride (human)
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-02 Acid-base physiology of oral streptococci
R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
R01DE-06402-02 Root caries--An in vitro model system
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
** R03DE-06466-02 Clinical study of composite resin-tooth interface
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)
** R01DE-06564-03 Remineralization of enamel caries in vitro (human)
** R01DE-06569-03 Quantitation of enamel demineralization mechanisms
** R01DE-06761-01 Prevention of surface zone limited caries of enamel
R44DE-06779-02 Evaluation of a new automated periodontal probe
** R03DE-06803-01 Intermicroscopic correlation of remineralization
** R23DE-06829-02 Acid-etching and remineralization of enamel caries in vitro
P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)

DENTAL STRUCTURE, ENAMEL ORGAN

SEE ALSO DENTAL STRUCTURE, AMELOBLASTS
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05586-04 Cell surface studies of the enamel organ (mice)
** R23DE-05893-03 Structural modulation of enamel pellicle formation
** R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
** R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)

DENTAL STRUCTURE, GINGIVA

R01DE-01554-23 Host factors in caries resistance (human, bacteria)
R01DE-02320-19 Clinical behavior of dental restorative materials (human)
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0038 Support for oral biology research center - Connective tissue, fibroblasts and periodontitis (human)
** R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
P01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
** R01DE-06137-02 Mechanical properties of gingiva to resist probing (dogs)
R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
** R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R03DE-06706-02 Bacterial chemotaxis in oral treponema species
** R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
** R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis
** N01DE-12433-04 Phase contrast evaluation of subgingival plaque

DENTAL STRUCTURE, GINGIVA, GINGIVAL SULCUS

** P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
** R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-06137-02 Mechanical properties of gingiva to resist probing (dogs)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R43DE-06788-01 Phase I laser velocimetry for periodontal disease (dogs)
R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
R01DE-06953-01 Hydroxyproline levels in periodontal health and disease (dogs)

DENTAL STRUCTURE, ODONTOBLASTS

P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
R01DE-05092-06 Proteins involved in dentinogenesis
** R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R03DE-06714-01 New approach to fixation of human pulp and dentine
R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)

DENTAL STRUCTURE, PERIODONTIUM

** P50DE-02731-18 0033 Development support for dental research institute - Clinical trials of periodontal therapy (human)
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06165-02 Cell biology of periodontal ligament fibroblast
** R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
** R01DE-06250-02 Histologic evaluation of new attachments in humans
** R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
R44DE-06779-02 Evaluation of a new automated periodontal probe

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

Id Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
** R43DE-06932-01 Periodontal temperature probe
R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)
** R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)

DENTAL STRUCTURE, PULP
SEE ALSO DENTISTRY, ENDODONTICS
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
R23DE-06157-02 Innervation of the tooth (rats)
** R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)
** R03DE-06465-02 Effect of vital apicoectomy on the dental tissues (monkeys)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R03DE-06677-01 Vascular casting of the dental pulp (cats)
R13DE-06711-01 International workshop on the biology of dentin and pulp (North Carolina)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)
P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)
P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

DENTAL STRUCTURE, TOOTH
SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
P50DE-02623-17 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
** P50DE-02668-18 0029 Regional dental research center - Acid phosphatases in developing bones and teeth (rats)
** P50DE-02668-18 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-02862-17 Growth and development of the human head
** R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
** R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05262-05 Mineralization in oral biology (mice, rats)
R01DE-05769-06 Ultrastructure of tooth development (rats)
** R01DE-05895-03 Tooth sensation (human)
** R23DE-06157-02 Innervation of the tooth (rats)
** R23DE-06554-02 Organization of cortical tooth representations (monkeys)
R01DE-06964-01 Genetics of antibodies to periodontal pathogens (mice)
** R13DE-06995-01 Gordon research conference on the bones and teeth (New Hampshire)
** P50DE-07010-01 0002 Specialized caries research center - Influence of plaque pH on mineralization

DENTAL STRUCTURE, TOOTH, DECIDUOUS TEETH
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)

DENTAL STRUCTURE, TOOTH MOBILITY
R01DE-03953-10 Force systems from orthodontic appliances
** R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06103-02 Evaluation of four modalities of periodontal therapy
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

DENTAL STRUCTURE, TOOTH ROOT
SEE ALSO DENTISTRY, ENDODONTICS
** P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-06250-02 Histologic evaluation of new attachments in humans
** R01DE-06402-02 Root caries--An in vitro model system
** R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
** R01DE-06951-01 Study of F actions on human root surface caries
** P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
M P50DE-07009-01 Specialized caries research centers
** P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
** P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
** P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
** P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** P50DE-07010-01 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries
R03DE-07046-01 Cell migration in experimental periodontal wounds (monkey)
N01DE-42553-00 Epidemiologic survey of oral health in adults

DENTAL STUDY SECTION
SEE ORAL BIOLOGY AND MEDICINE STUDY SECTION

DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*
R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-05843-03 Patient radiation doses and risks from dental x-ray
** R01DE-05844-03 Patient radiation doses and risks from dental x-ray
** R01DE-06379-02 Dental xeroradiography--Clinical investigaiton
** R03DE-06969-01 Real time high resolution dental microradiography

DENTIFRICES
N01DE-12433-04 Phase contrast evaluation of subgingival plaque
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device

DENTIN
SEE DENTAL STRUCTURE, DENTIN

DENTIN SENSITIVITY
SEE DENTAL PAIN

DENTINOGENESIS
SEE DENTAL DEVELOPMENT, DENTINOGENESIS

DENTISTRY
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL-PHARYNGEAL, JAW
SEE ALSO ORAL SURGERY
SEE ALSO SENSORY DEPRESSION, ANESTHESIA DENTAL
** R01DE-04494-07 Control of stress during dental procedures (human)
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)

DENTISTRY, BRUXISM
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-02862-17 Growth and development of the human head
R01DE-05895-03 Tooth sensation (human)
** R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)
R03DE-06813-01 Digastric and lateral pterygoid muscle function
** R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)
P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of biteplate designs--Treatment of MPD syndrome (human)
P01DE-06946-01 0019 Pathophysiology of MPD and other facial pain syndromes - Surveys and longitudinal studies of internal derangements of the TMJ (human)

DENTISTRY, ENDODONTICS
SEE ALSO DENTAL STRUCTURE, PULP
SEE ALSO DENTAL STRUCTURE, TOOTH ROOT
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)

DENTISTRY, ENDODONTICS, PULPOTOMY
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
** R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R03DE-07013-01 Absorption of glutaraldehyde from pulpotomy sites (dogs)

DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
** R03DE-06465-02 Effect of vital apicoectomy on the dental tissues (monkeys)

DENTISTRY, MASTICATION
SEE ALSO ORAL-PHARYNGEAL, JAW MOVEMENT
** P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
** R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
** R01DE-04227-10 Adaptations to changes in masticatory muscle length (monkeys)
R01DE-04531-07 Strain in the facial bones (monkeys)
R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05738-04 Mastication, food transport, and swallowing in primates (cats, monkeys)
** R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R23DE-06618-01 Properties of motor units in human mandibular muscles
** R01DE-06638-01 Complete denture service psychophysiological criteria
R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)
R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)

DENTISTRY, ORTHODONTICS
SEE ALSO DENTAL DISORDERS, MALOCCLUSION
SEE ALSO DENTAL OCCLUSION
** P01DE-03568-10 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
** R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
R01DE-03953-10 Force systems from orthodontic appliances
R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
R01DE-05321-05 Titanium alloys in dentistry
** R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
** R01DE-06043-03 Congenitally missing teeth (human)
** R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R03DE-06816-01 Toward revising the standard tests for orthodontic wire
** R03DE-06819-01 TMJ clicking related to orthodontic therapy
** P01DE-06946-01 0019 Pathophysiology of MPD and other facial pain syndromes - Surveys and longitudinal studies of internal derangements of the TMJ (human)

DENTISTRY, PREVENTIVE
SEE ALSO DENTAL CARIES INHIBITORS
SEE ALSO DENTAL DEPOSITS REMOVAL
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
** N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
P50DE-02670-18 0036 Institute of dental research - Dental caries preventive measures (rats)
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
** R01DE-03868-09 Children's acceptance of caries preventive procedures
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-05129-07 Improvement of preventive and restorative materials (human)
** R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R23DE-06207-02 Patient response to student dentists affective behavior
** R23DE-06208-01 Preventive services adoption in private dental practices
R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)
R01DE-06402-02 Root caries--An in vitro model system
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
R23DE-06522-02 Schooling and work setting--Effects on dental hygienists
** R01DE-06656-02 Promoting adherence to a dental regimen
** R01DE-06761-01 Prevention of surface zone limited caries of enamel
R03DE-06803-01 Intermicroscopic correlation of remineralization
** R03DE-06818-01 College students and comprehensive care effectiveness
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
** R01DE-06895-01 Implementing preventive dental programs in schools
** R01DE-06951-01 Study of F actions on human root surface caries
R01DE-06962-01 Surface protein antigens of cariogenic streptococci
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
N01DE-22439-04 Cost of combined sealant and self-applied fluoride program
** N01DE-32400-04 NaF mouthrinsing for caries prevention
N01DE-32441-03 Effect of prenatal fluoride in preventing dental caries (human)
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
** N01DE-32445-02 National caries program
** N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

DENTISTRY, PREVENTIVE, TOOTH BRUSHING
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
** R01DE-06656-02 Promoting adherence to a dental regimen
N01DE-12433-04 Phase contrast evaluation of subgingival plaque

DENTISTRY, SUBGINGIVAL CURETTAGE
R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
** R03DE-07046-01 Cell migration in experimental periodontal wounds (monkey)
N01DE-12433-04 Phase contrast evaluation of subgingival plaque

DENTITION DISORDERS, CONGENITAL
SEE CONGENITAL ABNORMALITIES, DENTITION

DENTURES
SEE DENTAL PROSTHESIS, DENTURES

DEOXYCHOLATES
SEE CHOLANATE SERIES, DEOXYCHOLATES

DEOXYHEXOSES
SEE HEXOSES, DEOXYHEXOSES

11-DEOXY-17-HYDROXYCORTICOSTERONE
SEE ADRENAL CORTEX HORMONES, 11-DEOXY-17-HYDROXYCORTICOSTERONE

DEOXYRIBONUCLEIC ACID POLYMERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DEOXYRIBONCULEIC ACID(S)
SEE NUCLEIC ACIDS, DNA

DEOXYRIBONUCLEIC ACID(S) REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DEOXYRIBONUCLEOSIDE TRIPHOSPHATES
SEE NUCLEOTIDES, DEOXYRIBONUCLEOSIDE TRIPHOSPHATES

DEOXYRIBONUCLEOSIDE TRIPHOSPHATE DNA NUCLEOTIDYL TRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DEOXYURIDINE
SEE PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE

DEPENDENCY, EMOTIONAL
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

DEPOLYMERIZATION
SEE MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION

DEPRESSION
SEE PSYCHOLOGY, EMOTIONS, DEPRESSION

DESIGN OF BIOMATERIALS
SEE BIOMATERIALS DEVELOPMENT AND PREPARATION OF BIOMATERIALS

DESIGN OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

DESIGN OF MODELS
SEE MODELS, DESIGN AND DEVELOPMENT OF MODELS

DESMOSOMES
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

DEVELOPMENT (BIOLOGICAL)
SEE CELL DIFFERENTIATION
SEE CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE CHILD MENTAL DEVELOPMENT
SEE GROWTH AND DEVELOPMENT

DEVELOPMENT (NON-BIOLOGICAL)
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DEVELOPMENT OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

DEVELOPMENT OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

DEVELOPMENT OF DRUGS
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DEVELOPMENT OF MODELS
SEE MODELS, DESIGN AND DEVELOPMENT OF MODELS

DEVELOPMENTAL DISORDERS (INTRAUTERINE FAILURE TO THRIVE)
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

DEVELOPMENTAL GENETICS
SEE GENETICS, DEVELOPMENTAL GENETICS

DEVELOPMENTAL NEUROLOGY
SEE NEUROLOGY, DEVELOPMENTAL

DEVELOPMENTAL NUTRITION (GENERAL)
SEE NUTRITION, DEVELOPMENTAL NUTRITION

DEVELOPMENTAL PHARMACOLOGY (DRUG ADVERSE EFFECTS FETAL)
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

DEVELOPMENTAL PSYCHOLOGY (CHILD MENTAL DEVELOPMENT)
SEE CHILD MENTAL DEVELOPMENT

DEXTRAN
SEE HEXOSANS, GLUCANS, DEXTRAN

DIABETES (INCLUDING NON-INBORN CASES)
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES

DIABETES, DRUG INDUCED
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
SEE DRUGS ADVERSE EFFECTS

DIABETES, JUVENILE
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

DIABETES MELLITUS
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES

DIABETES PHOSPHATE
SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

DIABETES THERAPY
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES THERAPY

DIABETIC RETINOPATHY
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETIC OCULOPATHY, DIABETIC RETINOPATHY

DIAGNOSTIC ACCURACY
SEE DIAGNOSTIC QUALITY-STANDARDS

DIAGNOSTIC ERRORS
SEE DIAGNOSTIC QUALITY-STANDARDS

DIAGNOSTIC QUALITY-STANDARDS
** R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)

DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*
** R43DE-06788-01 Phase I laser velocimetry for periodontal disease (dogs)
** P01DE-06946-01 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint

DIAGNOSTIC TESTS, EARLY DIAGNOSIS*
P50DE-02731-18 0037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries

DIAGNOSTIC TESTS, NON-INVASIVE*
R03DE-06817-01 Maxillary expansion using laser specklegrammetry (human)
R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)
R03DE-07019-01 Ultrasonic detection of oral markers (human)

DIAGNOSTIC ULTRASOUND
SEE PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC

DIAMINO ACIDS, ARGININE
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

DIAMINO ACIDS, LYSINE
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

DIAMOX
SEE SULFONAMIDES, ACETAZOLAMIDE

DIASTASES
SEE CARBOHYDRASES, AMYLASE

DIAZEPAM
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

DICARBOXYLIC ACIDS, GLUTARATES
R03DE-06714-01 New approach to fixation of human pulp and dentine

DICARBOXYLIC ACIDS, OXALATES
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)

DICARBOXYLIC ACIDS, SUCCINIC ACID
SEE ALSO OXIDOREDUCTASES, SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)

DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

2,3-DIDEHYDRO-L-THREO-HEXANO-1,4-LACTONE
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

DIELECTRIC CHARGES IN TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

DIET
SEE NUTRITION, DIET

DIET AND CANCER
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

DIET PATHOGENIC
SEE NUTRITION, DIET PATHOGENIC

DIET THERAPEUTIC
SEE NUTRITION, DIET THERAPEUTIC

DIET THERAPY OF CANCER
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

DIETARY CALCIUM
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM

DIETARY CARBOHYDRATES
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

DIETARY CONSTITUENTS
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

(contd)

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SEE NUTRITION, DIETETICS

DIETARY DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)

DIETARY IRON
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON

DIETARY LIPIDS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS

DIETARY METALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIETARY MINERALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIETARY NUTRIENTS, GASTROINTESTINAL ABSORPTION
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS

DIETARY PROTEINS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS

DIETARY REQUIREMENTS
SEE NUTRITIONAL REQUIREMENTS

DIETARY SALTS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS

DIETARY SUGARS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

DIETARY SUPPLEMENTS
SEE NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS

DIETARY SWEETENERS, ARTIFICIAL
SEE FOOD, SWEETENING AGENTS

DIETARY TRACE ELEMENTS AND MINERALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIETETICS
SEE NUTRITION, DIETETICS

DIFFERENTIATION
SEE CELL DIFFERENTIATION
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

DIFFUSION
SEE PHYSICAL PROPERTIES, DIFFUSION

DIFFUSION HORMONES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

DIGESTANTS (GENERAL)
SEE GASTROINTESTINAL AGENTS, DIGESTANTS (GENERAL)

DIGLYCERIDES
SEE LIPIDS, GLYCERIDES, DIGLYCERIDES

1,25-DIHYDROXYCHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

DIHYDROXYISOVALERIC ACID
SEE FATTY ACIDS

DIHYDROXYPHENYLALANINE
SEE CYCLIC AMINO ACIDS, DOPA

DILANTIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

DIMETHYLSULFOXIDE
SEE SULFOXIDES, DIMETHYL SULFOXIDE

DIMETHYLTOCOLS
SEE VITAMINS, VITAMIN E, TOCOLS

1,3-DIMETHYLXANTHINE
SEE PURINES, XANTHINES, THEOPHYLLINE

DIMORPHISM; POLYMORPHISM (BIOLOGY)
SEE BIOLOGY, POLYMORPHISM

DIMORPHISM, SEXUAL (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

DINUCLEOTIDES
SEE NUCLEOTIDES, DINUCLEOTIDES

DIPEPTIDES
SEE PEPTIDES, DIPEPTIDES

O-DIPHENOL OXIDASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

P-DIPHENOL OXIDASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

DIPHENYLHYDANTOIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

DIPHOSPHONATES
SEE PHOSPHONATES, DIPHOSPHONATES

DIPHOSPHOPYRIDINE NUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

DISABLED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

DISACCHARIDES, LACTOSE
N01DE-12434-06 Identify cariogenic elements of food

DISACCHARIDES, SUCROSE
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
** P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03739-12 Glycosyltransferases from oral bacteria
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05102-07 Potential anti-caries agents (rats)
R23DE-05827-03 Modifying effects of saliva and age on taste perception
** R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans
N01DE-12434-06 Identify cariogenic elements of food
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

DISCRIMINATION
SEE SENSORY-PERCEPTUAL PROCESSES, DISCRIMINATION

DISEASE CLASSIFICATION
** P01DE-03568-10 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-10 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)

DISEASE CONTROL AND EPIDEMIOLOGY STUDY SECTION
SEE EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION

DISEASE CONTROL, COMMUNICABLE (INFECTIOUS) DISEASES
SEE COMMUNICABLE DISEASE CONTROL

DISEASE MODELS
SEE MODELS, DISEASE MODELS

DISEASE PREVENTION AND CONTROL
SEE HEALTH, DISEASE PREVENTION AND CONTROL

DISEASE PRONENESS-RISK
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK
SEE ALSO POPULATION STUDIES HUMAN, EPIDEMIOLOGY
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
** P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
** P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)

DISEASE RECURRENCE
R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii
R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)

DISEASE REGISTRIES (CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

DISEASE TRANSMISSION (COMMUNICABLE DISEASE)
SEE COMMUNICABLE DISEASE TRANSMISSION

DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND
SEE ALSO BACTERIAL DISEASES
SEE ALSO BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
SEE ALSO GROWTH ABNORMAL, HYPERTROPHY
SEE ALSO GROWTH ABNORMAL, KERATINIZATION ABNORMAL
SEE ALSO GROWTH ABNORMAL, METAPLASIA
SEE ALSO GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)
SEE ALSO HISTOPATHOLOGY (GENERAL)*
SEE ALSO NUTRITIONAL ABNORMALITIES
SEE ALSO OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES
SEE ALSO POPULATION STUDIES HUMAN, MORBIDITY
SEE ALSO PREGNANCY DISORDERS
R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)

DISEASES, ACUTE (GENERAL)
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
** P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06622-01 Molecular mechanisms of periodontal disease

DISEASES, CHRONIC (GENERAL)
SEE ALSO BACTERIAL DISEASES
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
SEE ALSO CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
SEE ALSO IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS
SEE ALSO SKELETAL DISORDERS, ARTHRITIS
P50DE-04898-03 0001 Periodontal disease research center - Microbiology (human)
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
R01DE 34961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06622-01 Molecular mechanisms of periodontal disease
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)

DISEASES, COMPLICATIONS
SEE ALSO NEOPLASMS, CANCER COMPLICATIONS OF
P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)

DISEASES, COMPLICATIONS, ANESTHESIA RELATED
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DISEASES, COMPLICATIONS, POSTOPERATIVE
** R01DE-05369-06 Factors affecting dental postoperative pain (human)

DISEASES, PATHOLOGIC PROCESSES (NOT CLASSIFIED ELSEWHERE)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06622-01 Molecular mechanisms of periodontal disease

DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION
R01DE-02320-19 Clinical behavior of dental restorative materials (human)
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease

(contd)

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** R01DE-05695-03 Immunopathologic study of dental pulpitis
** R23DE-05793-03 Degradation of collagen in inflammation (human)
R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06137-02 Mechanical properties of gingiva to resist probing (dogs)
R01DE-06622-01 Molecular mechanisms of periodontal disease
R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)
R01DE-06860-01 Complement monocyte interactions in periodontal disease
R43DE-06932-01 Periodontal temperature probe
** R03DE-07005-01 Reactivity of saliva with complement

DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS
** P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
** P01DE-06946-01 0014 Pathophysiology of MPD and other facial pain syndromes - Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human)
R03DE-07012-01 Therapeutic regimens for dental surgery

DISEASES, PATHOLOGIC PROCESSES, NECROSIS
SEE ALSO CELL DEATH
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)

DISEASES, PATHOLOGY (GENERAL)*
SEE ALSO HISTOPATHOLOGY (GENERAL)*
** R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat

DISEASES, PROGNOSIS
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

DISEASES, SIGNS-SYMPTOMS (NOT GROUPED ELSEWHERE)
SEE ALSO NEUROLOGIC MANIFESTATIONS
** R03DE-07024-01 Oral signs and symptoms in bulimic patients

DISORDERS
SEE DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND

DISPLEASURE
SEE PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)

DISSECTION
SEE SURGERY, MICROSURGERY AND MICRODISSECTION

DISULFIDE BONDS
SEE CHEMICAL BONDS, DISULFIDE BONDS

DIURNAL VARIATION
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

DL-A LOCUS (DOG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

DNA
SEE NUCLEIC ACIDS, DNA

CDNA
SEE NUCLEIC ACIDS, COMPLEMENTARY DNA

DNA, RECOMBINANT, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

DNA BACTERIAL
SEE NUCLEIC ACIDS, DNA BACTERIAL

DNA BIOSYNTHESIS
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

DNA MANIPULATION (TRANSFER TO FOREIGN HOSTS)
SEE GENETIC MANIPULATION

DNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DNA POLYMERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DNA PROBE
SEE NUCLEIC ACIDS, DNA PROBE

DNA REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DNA TRANSFER, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

DNA VIRAL
SEE NUCLEIC ACIDS, DNA VIRAL

DOCUMENTATION SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DOPA
SEE CYCLIC AMINO ACIDS, DOPA

DOPAMINERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, DOPAMINERGIC RECEPTORS

DORSAL COLUMN STIMULATOR (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

DORSAL ROOT
SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD, DORSAL ROOT

DOSAGE
SEE DOSAGE AND ROUTE, DOSAGE

DOSAGE, RADIATION
SEE RADIATION DOSAGE AND DOSIMETRY

DOSAGE AND ROUTE, DOSAGE
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO RADIATION DOSAGE AND DOSIMETRY
P01DE-01850-21 0089 Nutritional sources and metabolic roles of fluoride - Fluoride and glycosaminoglycans in bone (rats)
** P01DE-01850-21 0090 Nutritional sources and metabolic roles of fluoride - Effect of skeletal fluoride load on retention of administered fluoride (rats)
** R23DE-05969-03 Effect of single and multiple applications of fluoride (human)
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO DRUGS, SLOW RELEASE PREPARATIONS
P01DE-01850-21 0090 Nutritional sources and metabolic roles of fluoride - Effect of skeletal fluoride load on retention of administered fluoride (rats)
R23DE-05969-03 Effect of single and multiple applications of fluoride (human)
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)

DOSAGE FORMS
SEE ALSO DENTAL CARIES INHIBITORS, SLOW RELEASE
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO DRUGS, SLOW RELEASE PREPARATIONS
** R01DE-05739-03 Fluoride redistribution during in vitro caries formation (human)
R43DE-07022-01 New controlled release antibiotic delivery systems

DOSAGE SCHEDULE
SEE DOSAGE AND ROUTE, DOSAGE

DOSIMETRY, RADIATION
SEE RADIATION DOSAGE AND DOSIMETRY

DRINKING BEHAVIOR (ALCOHOL)
SEE ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION

DRINKING WATER
SEE WATER SUPPLY

DRIVE
SEE PSYCHOLOGY, MOTIVATION

DROPSY
SEE BODY FLUID BALANCE, EDEMA

DRUG BIOAVAILABILITY
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

DRUG DELIVERY SYSTEMS
SEE DRUGS, DRUG DELIVERY SYSTEMS

DRUG DELIVERY SYSTEM USING IONTOPHORESIS
SEE DRUGS, DRUG DELIVERY SYSTEMS

DRUG DESIGN
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DRUG INDUCED CONGENITAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, DRUG INDUCED

DRUG-INDUCED DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED

DRUG INTERACTIONS WITH NUTRIENTS
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION

DRUG METABOLISM
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

DRUGS, BLOOD(PLASMA) LEVEL
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

DRUGS, CHEMOTHERAPY
SEE ALSO COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO DRUGS, PHARMACOLOGY
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
SEE ALSO NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY
SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
** R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)
** P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

DRUGS, CHEMOTHERAPY, DRUGS COMBINATION
R01DE-05369-06 Factors affecting dental postoperative pain (human)

DRUGS, DRUG DELIVERY SYSTEMS
** R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
** R43DE-07022-01 New controlled release antibiotic delivery systems

DRUGS, GASTROINTESTINAL ABSORPTION
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS

DRUGS, PHARMACOLOGY
SEE ALSO CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO DENTAL PHARMACOLOGY
SEE ALSO DRUGS, CHEMOTHERAPY
SEE ALSO DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE ALSO GASTROINTESTINAL PHARMACOLOGY
SEE ALSO NEUROPHARMACOLOGY
SEE ALSO PHARMACOLOGY STUDY SECTION
SEE ALSO PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)
SEE ALSO SKELETAL PHARMACOLOGY
** R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)

DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)

DRUGS, PHARMACOLOGY, BIOCHEMICAL
SEE ALSO CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO DRUGS RECEPTORS
** R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R03DE-06692-02 Neurohumoral responses to pain and anxiety
R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DRUGS, SLOW RELEASE PREPARATIONS
SEE ALSO DENTAL CARIES INHIBITORS, SLOW RELEASE
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
R43DE-07022-01 New controlled release antibiotic delivery systems

DRUGS ADVERSE EFFECTS
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO DISEASES, COMPLICATIONS, ANESTHESIA RELATED
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice, rats)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

@ Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

** R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)
** R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts
** R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R23DE-06982-01 Biomechanical influences on condylar cartilage growth (rats)
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07009-01 0001 Specialized caries research centers - Clinical strides of root caries (human)
** R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R03DE-07013-01 Absorption of glutaraldehyde from pulpotomy sites (dogs)

DRUGS ADVERSE EFFECTS EMBRYO-FETAL
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE ALSO DRUGS INTERACTION
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

DRUGS COMBINATION
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

DRUGS INTERACTION
SEE ALSO DRUGS, CHEMOTHERAPY, DRUGS COMBINATION
SEE ALSO DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
R03DE-06575-02 Herpes simplex virus DNA polymerase and drug resistance

DRUGS RECEPTORS
SEE ALSO ENDOCRINOLOGY, HORMONE RECEPTORS
** R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)

DRUGS RESISTANCE, MICROBIAL
SEE ALSO GENETICS, MICROBIAL
P50DE-02721 18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci
P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-03487-13 Inhibition of human cariogenic streptococci
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R03DE-06575-02 Herpes simplex virus DNA polymerase and drug resistance
R03DE-06798-01 Testing of a modul live herpes simplex virus vaccine (mice)
R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

DRUGS SCREENING
R01DE-05102-07 Potential anti-caries agents (rats)
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

DRUGS SYNTHESIS, DESIGN AND PRODUCTION
** R01DE-05102-07 Potential anti-caries agents (rats)
** R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent
** R03DE-06446-01 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
** P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents

DRUGS TOXICOLOGY
SEE DRUGS ADVERSE EFFECTS

DRUGS VEHICLES
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
** R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
R43DE-07022-01 New controlled release antibiotic delivery systems

DRY EYE
SEE EYE DISORDERS, KERATOCONJUNCTIVITIS, KERATOCONJUNCTIVITIS SICCA

DSR
SEE RADIOGRAPHY, SCANNING, DSR

DURA MATER
SEE NERVOUS SYSTEM CENTRAL, MENINGES, DURA MATER

DURATION OF TREATMENT
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

DYES, FLUORESCENT DYES AND PROBES
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*
R01DE-03739-12 Glycosyltransferases from oral bacteria

DYNAMIC SPATIAL RECONSTRUCTOR
SEE RADIOGRAPHY, SCANNING, DSR

EAR, HEARING, AUDIOSTIMULUS
P01DE-06945 01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)
P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)

EAR, MIDDLE EAR, EUSTACHIAN TUBE
P01DE-01697-22 0035 Craniofacial problems - Non-human primate model of cleft palate (monkeys)
** P01DE-01697-22 0041 Craniofacial problems - Effect of palate repair on eustachian tube function (human)

EAR DISORDERS, HEARING DISORDERS
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)
P01DE-01697-22 0041 Craniofacial problems - Effect of palate repair on eustachian tube function (human)
** P01DE-02872-15 0064 Center for craniofacial anomalies - Audiology

EAR DISORDERS, MIDDLE EAR DISORDERS
** P01DE-01697-22 0035 Craniofacial problems - Non-human primate model of cleft palate (monkeys)

EAR DISORDERS, MIDDLE EAR DISORDERS, OTITIS MEDIA
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)

EAR SURGERY, MYRINGOPLASTY
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)

EAR SURGERY, TYMPANOPLASTY
SEE ALSO EAR SURGERY, MYRINGOPLASTY
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)

EAR (TISSUE) TRANSPLANTATION
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

EARLY CHILDHOOD
SEE CHILDREN, PRESCHOOL (1 TO 6 YRS)

EARLY DIAGNOSIS
SEE DIAGNOSTIC TESTS, EARLY DIAGNOSIS*

EARLY EMBRYONIC STAGES
SEE EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)

EB VIRUS
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

ECOLOGY MICROORGANISMS
SEE ENVIRONMENT, ECOLOGY ORGANISMS

ECTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

EDEMA
SEE BODY FLUID BALANCE, EDEMA

EDENTULOUS MOUTH
SEE DENTAL DISORDERS, TOOTH LOSS

EDETIC ACID
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

EDTA
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS
SEE ALSO INFORMATION DISSEMINATION, RADIO
** R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)

EDUCATION, HEALTH EDUCATION, DENTAL
R01DE-03068-09 Children's acceptance of caries preventive procedures
** R01DE-06656-02 Promoting adherence to a dental regimen
** R01DE-06895-01 Implementing preventive dental programs in schools
** N01DE-22439-04 Cost of combined sealant and self-applied fluoride program
N01DE-32445-02 National caries program

EDUCATION, HEALTH OCCUPATIONS, DENTAL
** R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
** R23DE-06522-02 Schooling and work setting--Effects on dental hygienists
** R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer

EDUCATION, SCHOOLS
SEE ALSO HEALTH CARE SERVICES, STUDENT HEALTH SERVICES
** N01DE-22439-04 Cost of combined sealant and self-applied fluoride program
** N01DE-32445-02 National caries program

EDUCATION, SCHOOLS, SECONDARY
R01DE-06895-01 Implementing preventive dental programs in schools

EDUCATION, SPECIAL (REMEDIAL)
** P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

EDUCATION, UNIVERSITY STUDENTS
** R03DE-06818-01 College students and comprehensive care effectiveness

EGF
SEE GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

EHLERS-DANLOS SYNDROME
SEE METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME

EICOSATETRAENOIC ACIDS
SEE FATTY ACIDS, UNSATURATED, ARACHIDONIC ACID(S)

5,8,11,14-EICOSATETRAENOIC ACID
SEE FATTY ACIDS, UNSATURATED, ARACHIDONIC ACID(S)

12-OH EICOSATETRAENOIC ACID
SEE FATTY ACIDS, UNSATURATED, ARACHIDONIC ACID(S)

8,11,14-EICOSATRIENOATE, HYDROGEN-DONOR: OXYGEN OXIDOREDUCTASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

ELASTASE
SEE PROTEASES AND PEPTIDASES, ELASTASE

ELASTICITY
SEE PHYSICAL PROPERTIES, ELASTICITY

ELASTOGRAPHY
SEE PHYSICAL PROPERTIES, ELASTICITY

ELASTOMERS
SEE PLASTICS, ELASTOMERS

ELECTRICAL FIELDS
SEE ELECTRICITY-MAGNETISM, ELECTRICAL FIELDS

ELECTRICAL MASKING OF PAIN
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTRICAL POTENTIALS
SEE ELECTROPOTENTIALS

ELECTRICITY-MAGNETISM, ELECTRICAL FIELDS
R01DE-05945-03 Physicochemical modifications of dental restoratives

ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)
R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)

ELECTROANALGESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTROANESTHESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTROCHEMISTRY
SEE CHEMISTRY, ELECTROCHEMISTRY

ELECTRODES, MICROELECTRODES*
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

ELECTROGENIC ION PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

ELECTROLYTE EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT

ELECTROLYTE-WATER BALANCE
SEE BODY FLUID BALANCE, IONIC

ELECTROLYTES
SEE IONS, ELECTROLYTES

ELECTROMAGNETICS
SEE ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)

ELECTROMYOGRAPHY
SEE MUSCLE FUNCTION, ELECTROMYOGRAPHY*

ELECTRON MICROSCOPY
SEE OPTICS, MICROSCOPY, ELECTRON*

ELECTRONIC RECORDING SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, ELECTRONIC RECORDING SYSTEMS

(contd)

*Excludes review methodology OR covers only general projects which preclude indexing at the specific level
**Diverted significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

ELECTRONIC SPECTRA, FREE RADICALS
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

ELECTRONIC SPECTRA, SINGLET STATE
R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

ELECTROPHYSIOLOGY
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO ELECTROPOTENTIALS
SEE ALSO ELECTROSTIMULUS
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
** P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
R23DE-06554-02 Organization of cortical tooth representations (monkeys)
** R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)

ELECTROPOTENTIALS
P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

ELECTROPOTENTIALS, EVOKED POTENTIALS
** P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and olofacial pain in man
R01DE-06219-02 Facial behavior related to acute dental pain (human)
** P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)

ELECTROPOTENTIALS, MEMBRANE POTENTIALS
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-05354-07 Prevention of dental caries (rats, human)

ELECTROSTIMULUS
** R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)
P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)
P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)

ELECTROVALENT BONDS
SEE CHEMICAL BONDS, IONIC

ELEMENTS, TRACE
SEE CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS

EMBRYO, MAMMALIAN
SEE PREGNANCY, EMBRYO-FETUS

EMBRYO CELLS AND TISSUES
SEE EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES

EMBRYO CHEMOTHERAPY, MAMMALIAN
SEE PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY

EMBRYO CULTURE
SEE PREGNANCY, EMBRYO-FETUS CULTURE

EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

EMBRYO-FETUS DRUGS ADVERSE EFFECT
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

EMBRYO-FETUS TOXICOLOGY
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05669-04 Chorion type and dental morphology in twins (human)
** R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)

EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES
SEE ALSO PREGNANCY, EMBRYO-FETUS
SEE ALSO TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
** R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

EMBRYOLOGY, GERM LAYERS
SEE ALSO CONNECTIVE TISSUE, MESENCHYME
** R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)

EMBRYOLOGY, MAMMALIAN EMBRYOLOGY
P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05669-04 Chorion type and dental morphology in twins (human)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)

EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY
P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)

EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION
** R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
** R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
** R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
** R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)

EMBRYONIC CELL LINES
SEE TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES

EMI SCAN
SEE RADIOGRAPHY, SCANNING, CAT*

EMISSION SPECTROGRAPH (LASER PROBE)
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*

EMOTIONAL ADJUSTMENT
SEE PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

EMOTIONAL DEPENDENCY-INDEPENDENCY
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

EMOTIONAL STRESS
SEE STRESS

EMULSIONS (DOSAGE FORM)
SEE DOSAGE FORMS

ENAMEL
SEE DENTAL STRUCTURE, ENAMEL

ENAMEL ORGAN
SEE DENTAL STRUCTURE, ENAMEL ORGAN

ENAMEL (TOOTH) REMINERALIZATION ENHANCERS
SEE CALCIFICATION ENHANCING AGENTS

ENDOCARDITIS BACTERIAL
SEE HEART DISORDERS, ENDOCARDITIS BACTERIAL

ENDOCRINE REGULATION AND CONTROL (MECHANISMS)
SEE ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)

ENDOCRINOLOGY, ENDOCRINE SURGERY
SEE PARATHYROIDECTOMY

ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)
P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat
P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
** R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
R01DE-05574-04 Neural aspects of craniofacial morphogenesis (frogs)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
** R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R23DE-06174-01 Insulin and protein synthesis in the rat gland
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06397-02 Biochemical aspects of orofacial development
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
** R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06955-01 Epidermal growth factor and tooth development (mice)

ENDOCRINOLOGY, HORMONE BINDING PROTEINS
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)

ENDOCRINOLOGY, HORMONE RECEPTORS
P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
** R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)
R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)

ENDOCRINOLOGY, HORMONES
SEE ALSO ADRENAL CORTEX HORMONES
SEE ALSO AMINES, POLYAMINES
SEE ALSO ANDROSTANE SERIES, ANDROGENS
SEE ALSO ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES
SEE ALSO ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES
SEE ALSO NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)
SEE ALSO PARATHYROID HORMONES
SEE ALSO PROGESTINS
R23DE-06040-03 Polyamines and palatal development (rabbits)

ENDOCRINOLOGY, HORMONES, STEROID HORMONES
SEE ALSO ADRENAL CORTEX HORMONES
SEE ALSO ANDROSTANE SERIES, ANDROGENS
SEE ALSO PROGESTINS
** R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)

ENDOCRINOLOGY, HORMONES BIOSYNTHESIS
SEE ALSO PROTEINS BIOSYNTHESIS
** R23DE-06174-01 Insulin and protein synthesis in the rat gland
R01DE-06397-02 Biochemical aspects of orofacial development
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)

ENDOCRINOLOGY, HORMONES METABOLISM
R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)

ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES
P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES
R01DE-05574-04 Neural aspects of craniofacial morphogenesis (frogs)

ENDOCYTOSIS
SEE CELL INGESTION, PHAGOCYTOSIS
SEE CELL INGESTION, PINOCYTOSIS

ENDOD
SEE PLANTS, ANGIOSPERMS, POKEWEED*

ENDODONTICS
SEE DENTISTRY, ENDODONTICS

ENDONUCLEASE
SEE NUCLEASES, ENDONUCLEASES (GENERAL)

ENDOPEROXIDES
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS

ENDOPLASM
SEE CELL COMPONENTS, CYTOPLASM

ENDOPLASMIC RETICULUM
SEE CELL COMPONENTS, ENDOPLASMIC RETICULUM

ENDORPHINS
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

ALPHA-ENDORPHIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

BETA-ENDORPHIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

ENDOSSEOUS ARTIFICIAL TOOTH IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

ENDOTHELIUM VASCULAR
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM

ENDOTHELIUM VASCULAR PERMEABILITY
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

ENDOTOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS

ENERGETICS OF BIOLOGICAL TRANSPORT
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

ENERGY DEPENDENT TRANSPORT
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT

ENGINEERING, BIOMEDICAL
SEE BIOMEDICAL ENGINEERING

ENKEPHALIN
SEE PEPTIDES, ENKEPHALIN

ENOLASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

ENTERIC BACTERIA
SEE BACTERIA, ENTERIC (GENERAL)*

ENTEROCOCCI (STREPTOCOCCUS)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*

ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO POPULATION STUDIES MICROORGANISMS
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-05180-06 Composition of S mutans in different growth environments
** R01DE-06395-02 Molecular basis of the ecology of oral streptococci

ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM
SEE ALSO VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
P50DE-02731-18 0034 Development support for dental research institute - Microbial biochemistry lab
AA P01DE-02847-16 Microbial ecology and its relation to dental disease
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
P50DE-04881-08 0003 Clinical research in periodontal diseases - Host immunologic response to oral microorganisms
R01DE-05122-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
** R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
** P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

ENVIRONMENT, ORIENTATION, CHEMOTAXIS
P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
** R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
R23DE-06436-03 Periodontosis--Characterization of the neutrophil defect (human)
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R23DE-06640-02 Neutrophil defects induced by oral bacterial products
** R03DE-06706-02 Bacterial chemotaxis in oral treponema species
R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

ENVIRONMENT CONTROLLED
** R01DE-06762-01 Development of an advanced artificial oral environment
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

ENVIRONMENTAL HEALTH (GENERAL)
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
** P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,

ENVIRONMENTAL STRESS
SEE STRESS

ENZYME DEREPRESSION
SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME INDUCTION
SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME INDUCTION-REPRESSION-DEREPRESSION
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice
R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)

ENZYME INHIBITORS
SEE ALSO BLOOD COAGULATION, ANTITHROMBINS
SEE ALSO ENZYME SUBSTRATE ANALOGS
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
** R01DE-05102-07 Potential anti-caries agents (rats)
R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)

ENZYME INHIBITORS, PHOSPHATASE INHIBITORS
P50DE-02668-18 0029 Regional dental researc. center - Acid phosphatases in developing bones and teeth (rats)

ENZYME INHIBITORS, PHOSPHODIESTERASE INHIBITORS
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)
** R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins
R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)

ENZYME MECHANISMS
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
** R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)
R03DE-07024-01 Oral signs and symptoms in bulimic patients
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)
R01DE-07257-01 IgA protease and dental caries
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

ENZYME REPRESSION
SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME STRUCTURE
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
** P50DE-02668-18 0029 Regional dental research center - Acid phosphatases in developing bones and teeth (rats)
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)
R01DE-07257-01 IgA protease and dental caries

ENZYME SUBSTRATE
P50DE-02668-18 0029 Regional dental research center - Acid phosphatases in developing bones and teeth (rats)
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)

ENZYME SUBSTRATE ANALOGS
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)

ENZYMES
SEE ALSO AMINOACYLTRANSFERASES
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES
SEE ALSO CARBOHYDRASES
SEE ALSO ENZYME INHIBITORS

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

If Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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SEE ALSO HYDROLASES
SEE ALSO OXIDOREDUCTASES
SEE ALSO PEROXIDASES
SEE ALSO PHOSPHATASES
SEE ALSO PROTEASES AND PEPTIDASES
SEE ALSO TRANSFERASES
** P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
** R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)

ENZYMES, ISOENZYMES
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R03DE-07024-01 Oral signs and symptoms in bulimic patients

ENZYMES, ZYMOGENS
P50DE-02670-18 0039 Institute of dental research - Structure and function of latent collagenase

EOSINOPHIL CHEMOTACTIC FACTOR (ECF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

EPIDEMIOLOGY, EPIDEMIOLOGIC METHODS
SEE POPULATION STUDIES HUMAN, EPIDEMIOLOGY

EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
** R01DE-04068-10 Statistical methods in dental research
** R01DE-04358-08 Treatment of temporomandibular joint pain
** R01DE-04494-07 Control of stress during dental procedures (human)
** R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06570-03 Psychosocial evaluation of craniofacial patients

EPIDEMIOLOGY OF MENTAL DISORDERS
SEE MENTAL HEALTH EPIDEMIOLOGY

EPIDEMIOLOGY OF NEOPLASTIC DISEASE
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY STATISTICS

EPIDERMAL GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

EPIDERMIS
SEE SKIN (GENERAL)

EPIDERMOID CARCINOMA
SEE NEOPLASMS, CARCINOMA EPIDERMOID

EPIDERMOLYSIS BULLOSA (HEREDITARIA)
SEE CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA

EPINEPHRINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE

EPISOMES
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS

EPITHELIUM
SEE TISSUE, EPITHELIUM

EPITHELIUM, GASTROINTESTINAL
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

EPSTEIN-BARR VIRUS
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

EQUILIBRIUM SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

ERYTHEMA MULTIFORME
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, ERYTHEMA MULTIFORME

ERYTHROBLASTOSIS (ERYTHROLEUKOSIS) VIRUS AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

ERYTHROCYTES
SEE BLOOD CELLS, ERYTHROCYTES

ESCHERICHIA COLI
SEE BACTERIA, ENTEROBACTERIACEAE, ESCHERICHIA COLI*

ESOPHAGEAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

ESOPHAGEAL MUCOSA
SEE ORAL PHARYNGEAL MUCOSA

ESSENTIAL FATTY ACIDS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS

ETHYLENEDIAMINE TETRAACETIC ACID
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

ETHYLENE SUCCINIC ACID
SEE DICARBOXYLIC ACIDS, SUCCINIC ACID

EUSTACHIAN TUBE
SEE EAR, MIDDLE EAR, EUSTACHIAN TUBE

EVALUATION AND/OR ANALYSIS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION
SEE INFORMATION GATHERING METHODS EVALUATION-STANDARDS
SEE THERAPY EVALUATION

EVALUATION OF BIOMATERIALS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

EVALUATION OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

EVOKED POTENTIALS
SEE ELECTROPOTENTIALS, EVOKED POTENTIALS

EVOLUTION
SEE BIOLOGY, SYSTEMATIC, EVOLUTION AND PHYLOGENY

EXCEPTIONAL (HANDICAPPED) CHILDREN
SEE CHILDREN HANDICAPPED CHILDREN

EXCIPIENTS
SEE DRUGS VEHICLES

EXCRETION
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION

EXHALATION-INHALATION
SEE RESPIRATORY FUNCTION, RESPIRATION

EXOCRINE GLANDS (GENERAL)
SEE TISSUE, EXOCRINE GLANDS (GENERAL)

EXOTOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS

EXPECTANCY
SEE PSYCHOLOGY, COGNITION, EXPECTANCY

EXPERIMENTAL IMMUNOLOGY STUDY SECTION
** R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)

EXPERIMENTAL VIROLOGY STUDY SECTION
** R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)

EXPIRATION-INSPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

EXTRACELLULAR MATRIX
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

EXTRACORPOREAL RADIOASSAY
SEE RADIOASSAY (RADIOMETRY)

EXTRINSIC SURFACE ACTIVITY OF MEMBRANES
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

EYE, VISUAL STIMULUS
P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)

EYE DISORDERS, KERATOCONJUNCTIVITIS, KERATOCONJUNCTIVITIS SICCA
R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)

F

SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FACE
SEE BODY REGIONS, HEAD, FACE

FACE NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

FACIAL ANOMALIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL CRANIAL

FACIAL EXPRESSION
SEE INFORMATION-COMMUNICATION BEHAVIOR, FACIAL EXPRESSION

FACIAL MUSCLES
SEE MUSCLES, FACIAL MUSCLES

FACIAL PAIN
SEE ORAL-FACIAL PAIN

FACIAL RESTORATION
SEE ORAL-FACIAL RESTORATION

FACILITIES
SEE ANIMAL COLONIES, FACILITIES, RESOURCES

FACTOR III
SEE BLOOD COAGULATION, PROTHROMBIN

FACTOR X
SEE BLOOD COAGULATION, FACTOR X

FAILURE TO THRIVE INTRAUTERINE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FAILURE TO THRIVE POSTNATAL
SEE GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)

FAMILIAL DISORDERS
SEE GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)

FAMILY
SEE ALSO CHILDREN
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
R01DE-06570-03 Psychosocial evaluation of craniofacial patients

FAMILY, PARENT-OFFSPRING
P50DE-02670-18 0040 Institute of dental research - Streptococcus mutans strains common to mother and child
R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R23DE-06865-01 Child desensitization for dental visits (human)

FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION
R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-06160-02 Maternal transmission of streptococcus mutans (human)
** N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

FAMILY, SIBLING ORDER
** R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)

FAMILY, TWINS AND MULTIPLETS
** R01DE-05669-04 Chorion type and dental morphology in twins (human)

FASTING
SEE NUTRITION, DIET, FASTING

FAT-SOLUBLE VITAMINS
SEE VITAMINS, VITAMIN D (GENERAL)

FATIGUE
SEE HEALTH, PHYSICAL ACTIVITY, FATIGUE

FATTY ACID CYCLOOXYGENASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

FATTY ACIDS
SEE ALSO CARBOXYLIC ACIDS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)

FATTY ACIDS, CAPRYLIC ACID
** P01DE-01850-21 0075 Nutritional sources and metabolic roles of fluoride - Metabolic handling of perfluorooctanoic acid (rats)

FATTY ACIDS, LACTATES
SEE ALSO OXIDOREDUCTASES, LACTATE DEHYDROGENASE
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)

FATTY ACIDS, LINOLEIC ACID
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)

FATTY ACIDS, LINOLENIC ACID
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria

FATTY ACIDS, PYRUVATES
SEE ALSO PHOSPHOTRANSFERASES, ATP PYRUVATE PHOSPHOTRANSFERASE
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

FATTY ACIDS, PYRUVATES, PHOSPHOENOLPYRUVATE
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations

FATTY ACIDS, UNSATURATED, ARACHIDONIC ACID(S)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05626-04 Role of complement in periodontal disease
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
** R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R01DE-06860-01 Complement monocyte interactions in periodontal disease
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

Grant has subprojects describing specific research aspects See Appendix for investigator's name and Grant Number

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FATTY ACIDS, UNSATURATED, PROSTAGLANDINS
SEE ALSO OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE
R01DE-02110-20 Salivary gland structure and function (mice, rats)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
** P50DE-04881-08 0003 Clinical research in periodontal diseases - Host immunologic response to oral microorganisms
R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05626-04 Role of complement in periodontal disease
** R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)
R01DE-06397-02 Biochemical aspects of orofacial development
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R01DE-06860-01 Complement monocyte interactions in periodontal disease
** R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)
** R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

FATTY ACIDS, UNSATURATED, PROSTAGLANDINS, PROSTAGLANDIN E
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

FATTY ACIDS, UNSATURATED, PROSTAGLANDINS, PROSTAGLANDIN F
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

FATTY ACIDS, UNSATURATED, PROSTAGLANDINS ANALOGS
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)

FATTY ACIDS, UNSATURATED, THROMBOXANES
SEE ALSO FATTY ACIDS METABOLISM
R01DE-05626-04 Role of complement in periodontal disease

FATTY ACIDS METABOLISM
R01DE-02342-13 Normal and altered oral mucosa (rats)
** R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)

FC RECEPTOR
SEE IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS

FC RECEPTOR AUGMENTING FACTOR (FRAF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

FE
SEE IRON

FEAR, DENTAL
SEE DENTAL FEAR AND ANXIETY

FECES ANALYSIS
SEE CHEMISTRY, CLINICAL, FECES ANALYSIS*

FEEDBACK, SENSORY
SEE SENSORY FEEDBACK

FEEDBACK CONTROL (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

FEEDBACK CONTROL (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

FEEDS, ANIMAL
SEE FOOD, ANIMAL FEEDS

FEMALE
SEE SEX, FEMALE

FETAL CELL LINES
SEE TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES

FETAL CELLS AND TISSUES
SEE EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES

FETAL CHEMOTHERAPY
SEE PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY

FETAL CULTURE
SEE PREGNANCY, EMBRYO-FETUS CULTURE

FETAL FAILURE TO THRIVE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FETAL GROWTH DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FETAL NUTRITION
SEE NUTRITION, MATERNAL-FETAL NUTRITION

FETAL TOXICOLOGY
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

FETUIN-BINDING LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

FETUS
SEE PREGNANCY, EMBRYO-FETUS

FEVER
SEE TEMPERATURE (BODY), FEVER

FEVER BLISTERS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

FIBRINOGEN
SEE BLOOD COAGULATION, FIBRINOGEN

FIBRINOGENASE
SEE BLOOD COAGULATION, THROMBIN

FIBRINOLYSOKINASE
SEE BLOOD COAGULATION, LYSOKINASE

FIBROBLASTS
SEE CONNECTIVE TISSUE CELLS, FIBROBLASTS

FIBRONECTIN
SEE GLYCOPROTEINS, FIBRONECTIN

FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

FIBROUS PROTEINS, COLLAGEN
** R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02600-18 0038 Support for oral biology research center - Connective tissue, fibroblasts and periodontitis (human)
** P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
** P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
** P50DE-02670-18 0019 Institute of dental research - Chemistry and molecular biology of the connective tissue protein, collagen
** P50DE-02670-18 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
P50DE-02731-18 0032 Development support for dental research institute - Epithelial cell basal lamina biosynthesis (rats)
** R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-03223-14 Kinetics of mineralization of teeth (human)
** R01DE-03301-14 Connective tissues of the periodontium (human, dog)
** R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
** R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05092-06 Proteins involved in dentinogenesis
R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
** R23DE-05793-03 Degradation of collagen in inflammation (human)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06165-02 Cell biology of periodontal ligament fibroblast
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06397-02 Biochemical aspects of orofacial development
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins
** R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)
P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

FIBROUS PROTEINS, COLLAGEN, PROCOLLAGEN
** P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)

FIBROUS PROTEINS, KERATIN
SEE ALSO FIBROUS PROTEINS, KERATOHYALIN
R01DE-02342-13 Normal and altered oral mucosa (rats)
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

FIBROUS PROTEINS, KERATOHYALIN
R01DE-02342-13 Normal and altered oral mucosa (rats)
** R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-05999-02 The role of nutrition in oral health (rats)

FIXED CHARGES IN TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

FLAGELLAR MOVEMENT
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT

FLAGYL
SEE IMIDAZOLES, METRONIDAZOLE

FLAVINS
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

FLAVOR (SENSE)
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE

FLOWMETERS, AIRFLOWMETERS (RESPIRATORY)
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

FLUID-ELECTROLYTE BALANCE
SEE BODY FLUID BALANCE, IONIC

FLUID EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT

FLUORESCENCE LABELING, PROBES
SEE DYES, FLUORESCENT DYES AND PROBES

FLUORESCENT ANTIBODY TECHNIQUE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

FLUORESCENT ANTIGEN TECHNIQUE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

FLUORESCENT DYES
SEE DYES, FLUORESCENT DYES AND PROBES

FLUORIDATION-DEFLUORIDATION
SEE HALOGENATION, FLUORIDATION-DEFLUORIDATION

FLUORIDE INGESTED
SEE DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED

FLUORIDE TREATMENTS (TOPICAL)
SEE DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)

FLUORIDES
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FLUORINE (COMPOUNDS)
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FLUOROCARBON POLYMERS
SEE PLASTICS, FLUOROCARBON POLYMERS

FLUOROHYDROCARBONS (GENERAL)
SEE HALOHYDROCARBONS, FLUOROHYDROCARBONS (GENERAL)

FLUOROPHOSPHATES
SEE PHOSPHATES, FLUOROPHOSPHATES

(cont'd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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FLUOROSIS
SEE HALOGEN POISONING, FLUOROSIS

FOAMING AGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

FOLIC ACID
SEE VITAMINS, FOLACINS, FOLIC ACID

FOLLICLE STIMULATING HORMONE-RELEASE INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

FOLLILIBERIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

FOLLOW-UP STUDY
SEE POPULATION STUDIES HUMAN, LONGITUDINAL STUDY

FOOD
SEE ALSO GROWTH MEDIA
SEE ALSO NUTRITION (GENERAL)
** P01DE-01850-21 0071 Nutritional sources and metabolic roles of fluoride - Fluoride content of infant, toddler and adult foods (human)
R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
** N01DE-12434-06 Identify cariogenic elements of food

FOOD, ANIMAL FEEDS
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)

FOOD, BEVERAGES
N01DE-12434-06 Identify cariogenic elements of food

FOOD, DAIRY PRODUCTS
SEE ALSO BODY FLUIDS, MILK
N01DE-12434-06 Identify cariogenic elements of food

FOOD, INFANT FOODS
** P01DE-01850-21 0071 Nutritional sources and metabolic roles of fluoride - Fluoride content of infant, toddler and adult foods (human)
N01DE-12434-06 Identify cariogenic elements of food

FOOD, MEAT
N01DE-12434-06 Identify cariogenic elements of food

FOOD, POULTRY PRODUCTS
N01DE-12434-06 Identify cariogenic elements of food

FOOD, SEAFOOD
N01DE-12434-06 Identify cariogenic elements of food

FOOD, SWEETENING AGENTS
** R03DE-06678-01 Assessment of genetic toxicity mediated by steviol (rats)
N01DE-12434-06 Identify cariogenic elements of food

FOOD ADDITIVES
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD ADDITIVES

FOOD ADDITIVES INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), FOOD ADDITIVES INTERACTION

FOOD ANALYSIS (CHEMICAL CONSTITUENTS)
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

FOOD CONSTITUENTS
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

FOOD CONTAMINATION
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD SANITATION, FOOD CONTAMINATION

FOOD PREPARATION
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD PROCESSING AND PREPARATION

FOOD PROCESSING
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD PROCESSING AND PREPARATION

FOOD QUALITY
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS

FOOD REQUIREMENTS DIETARY
SEE NUTRITIONAL REQUIREMENTS

FOOD SCIENCES AND TECHNOLOGY, DEHYDRATED FOODS
N01DE-12434-06 Identify cariogenic elements of food

FOOD SCIENCES AND TECHNOLOGY, FOOD ADDITIVES
SEE ALSO FOOD, SWEETENING AGENTS
SEE ALSO PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), FOOD ADDITIVES INTERACTION
N01DE-12434-06 Identify cariogenic elements of food
** N01DE-52484-10 Antiplaques/food additives/other agents-Anticaries

FOOD SCIENCES AND TECHNOLOGY, FOOD PROCESSING AND PREPARATION
P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
N01DE-12434-06 Identify cariogenic elements of food

FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS
R03DE-06678-01 Assessment of genetic toxicity mediated by steviol (rats)

FOOD SCIENCES AND TECHNOLOGY, FOOD SANITATION, FOOD CONTAMINATION
** P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)

FOODS AND CANCER (NUTRIENT THERAPY)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

FOODS INTERACTION WITH PHYSICAL OR CHEMICAL AGENTS
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION

FORMALDEHYDE
SEE ALDEHYDES, FORMALDEHYDE

FRACTURES
SEE INJURIES, FRACTURES

FREE RADICALS
SEE ELECTRONIC SPECTRA, FREE RADICALS

BETA-FRUCTOFURANOSIDASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

FRUCTOSE
SEE HEXOSES, FRUCTOSE

FUNCTION, BODILY ORGANS
SEE MUSCLE FUNCTION
SEE PANCREATIC ISLETS FUNCTION
SEE RESPIRATORY FUNCTION

FUNCTIONAL GROUPS (CHEMISTRY)
SEE CHEMICAL REACTION SITES, FUNCTIONAL GROUPS

FUNGI, YEASTS, CANDIDA ALBICANS*
R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

FUSION FAILURES, CONGENITAL
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES

FUSOBACTERIA
SEE BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*

GABA
SEE AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID

GALACTANS
SEE HEXOSANS, GALACTAN

GALACTOSE
SEE HEXOSES, GALACTOSE

GALACTOSIDES
SEE HEXOSES, GALACTOSIDES

GALLBLADDER EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

GAMMA GLOBULINS 7S
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G

GAMMA GLOBULINS 19S
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

GANGLIA NERVOUS SYSTEM
SEE NERVOUS SYSTEM, GANGLIA

GAS ELEMENTS, INERT
** R03DE-06456-01 Sterilization effectiveness using glow discharge methods

GASTRIC EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

GASTROCNEMIUS MUSCLE
SEE MUSCLES, GASTROCNEMIUS MUSCLE

GASTROINTESTINAL ABSORPTION-TRANSPORT
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)

GASTROINTESTINAL AGENTS, DIGESTANTS (GENERAL)
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS
** P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS
P01DE-01850-21 0075 Nutritional sources and metabolic roles of fluoride - Metabolic handling of perfluorooctanoic acid (rats)
P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)
** P01DE-01850-21 0089 Nutritional sources and metabolic roles of fluoride - Fluoride and glycosaminoglycans in bone (rats)

GASTROINTESTINAL FUNCTION, DEGLUTITION
** R01DE-05738-04 Mastication, food transport, and swallowing in primates (cats, monkeys)
R01DE-06638-01 Complete denture service psychophysiological criteria

GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)

GASTROINTESTINAL PHARMACOLOGY
** R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)

GASTROINTESTINAL SYSTEM, EPITHELIUM
** R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
** R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)

GELS
SEE PHYSICAL PROPERTIES, COLLOIDS, GELS

GELS (DOSAGE FORM)
SEE DOSAGE FORMS

GENE CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

GENE EXPRESSION
SEE GENETICS, GENES, GENE EXPRESSION

GENE FREQUENCIES
SEE GENETICS, POPULATION GENETICS, GENE FREQUENCIES

GENE INSERTION INTO FOREIGN HOSTS
SEE GENETIC MANIPULATION

GENE MUTATION
SEE GENETICS, MUTATION, GENE MUTATION

GENE SPLICING (GENETIC MANIPULATION)
SEE GENETIC MANIPULATION

GENERAL ADAPTATION SYNDROME
SEE STRESS

GENERAL MEDICINE A STUDY SECTION
** R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)

GENERAL MEDICINE B STUDY SECTION
** R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
** R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
** R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05249-05 Salivary secretion - role of calcium (mice)
** R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)

GENES
SEE GENETICS, GENES

GENES CONTROLLING HISTOCOMPATIBILITY ANTIGENS (ISOALLOANTIGENS)
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

GENETIC CODING
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING

GENETIC COUNSELING
SEE GENETIC DISORDERS, GENETIC COUNSELING

GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO DISEASE PRONENESS-RISK
SEE ALSO GENETICS, MUTATION
SEE ALSO GENETICS, POPULATION GENETICS, GENE FREQUENCIES
P01DE-03568-10 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)

GENETIC DISORDERS, GENETIC COUNSELING
R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii

(contd)

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GENETIC MANIPULATION
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
M P50DE-02600-18 Support for oral biology research center
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
M P50DE-02623-17 Center for oral health research
M P50DE-02668-18 Regional dental research center
** P50DE-02670-18 0033 Institute of dental research - Genetic and biochemical basis for S mutans virulence (rats)
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)

GENETIC MAPPING
SEE ALSO NUCLEIC ACIDS, DNA PROBE
** R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

GENETIC MAPPING, GENETIC MARKERS
R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)

GENETIC MAPPING, LINKAGE
R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)

GENETIC MARKERS
SEE GENETIC MAPPING, GENETIC MARKERS

GENETIC REGULATION
SEE GENETICS, GENETIC REGULATION

GENETIC STRAINS
SEE BIOLOGY, SYSTEMATIC, GENETIC STRAINS

GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
SEE ALSO PROTEINS BIOSYNTHESIS
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
SEE ALSO NUCLEIC ACIDS, DNA PROBE
** R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R03DE-06814-01 Transposon mutagenesis of the oral streptococci
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

GENETICS, CHROMOSOMES, CHROMATIN
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R03DE-06505-02 Phenyton-induced nuclear alterations in fibroblasts
R01DE-06622-01 Molecular mechanisms of periodontal disease

GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO CELL DIVISION
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)

GENETICS, CYTOGENETICS
SEE ALSO CELL DIVISION, MITOSIS
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)

GENETICS, DEVELOPMENTAL GENETICS
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
** P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
** R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
** R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
** R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS
** P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci
** R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
** R03DE-06814-01 Transposon mutagenesis of the oral streptococci
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

GENETICS, GENES
SEE ALSO GENETICS, POPULATION GENETICS, GENE FREQUENCIES
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
** P50DE-02623-17 0037 Center for oral health research - Enamel proteins and their genes

GENETICS, GENES, GENE EXPRESSION
SEE ALSO GENETICS, GENOTYPES
** P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02623-17 0036 Center for oral health research - Cellular aspects of the murine IgA response
P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies
P01DE-02872-15 0063 Center for craniofacial anomalies - Genetic studies (human)
R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
** R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
** R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06043-03 Congenitally missing teeth (human)
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R03DE-06298-02 Oral and skin defects in pupoid fetus (pf) mice
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06624-02 OAF synthesis in periodontal disease (human)
R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
R01DE-06671-02 Phenyton--Pathogenesis of gingival overgrowth (cats, dogs)
** R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R01DE-06860-01 Complement monocyte interactions in periodontal disease
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)

GENETICS, GENES, OPERON, STRUCTURAL GENE
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

GENETICS, GENETIC REGULATION
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R01DE-06624-02 OAF synthesis in periodontal disease (human)
** R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)

GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R03DE-06505-02 Phenyton-induced nuclear alterations in fibroblasts
R01DE-06624-02 OAF synthesis in periodontal disease (human)
R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
P50DE-02623-17 0037 Center for oral health research - Enamel proteins and their genes
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GENETICS, GENOTYPES
SEE ALSO GENETICS, POPULATION GENETICS, GENE FREQUENCIES
** R01DE-05669-04 Chorion type and dental morphology in twins (human)

GENETICS, GENOTYPES, HETEROZYGOTES
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)

GENETICS, MICROBIAL
SEE ALSO GENETICS, POPULATION GENETICS, MICROORGANISMS
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO MICROBIAL GENETICS REVIEW GROUP
SEE ALSO NUCLEIC ACIDS, DNA BACTERIAL
SEE ALSO NUCLEIC ACIDS, DNA VIRAL
SEE ALSO NUCLEIC ACIDS, RNA VIRAL
** P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04224-10 Studies on the genetics of oral microflora (rats)
** R01DE-04645-07 A genetic biochemical analysis of spirochete motility (mice)
R13DE-06800-01 Workshop on molecular interactions in oral microbial adherence
R03DE-06814-01 Transposon mutagenesis of the oral streptococci
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

GENETICS, MICROBIAL, BACTERIAL
SEE ALSO GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS
SEE ALSO NUCLEIC ACIDS, DNA BACTERIAL
** P50DE-02670-18 0033 Institute of dental research - Genetic and biochemical basis for S mutans virulence (rats)
** P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-04529-08 Replacement therapy of dental caries (rats)
** R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
** R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
** R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R03DE-06586-02 A genetic approach for study of actinomyces viscosus
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06962-01 Surface protein antigens of cariogenic streptococci
** R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

GENETICS, MICROBIAL, TRANSFORMATION MICROBIAL
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity

GENETICS, MICROBIAL, VIRAL
SEE ALSO NUCLEIC ACIDS, DNA VIRAL
SEE ALSO NUCLEIC ACIDS, RNA VIRAL
R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)

GENETICS, MUTAGENS
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
** R03DE-06814-01 Transposon mutagenesis of the oral streptococci

GENETICS, MUTAGENS, MUTAGEN TESTS
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R03DE-06678-01 Assessment of genetic toxicity mediated by steviol (rats)

GENETICS, MUTATION
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)

GENETICS, MUTATION, GENE MUTATION
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)

GENETICS, MUTATION, MUTANTS*
SEE ALSO BIOLOGY, SYSTEMATIC, GENETIC STRAINS
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-04529-08 Replacement therapy of dental caries (rats)
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R03DE-06798-01 Testing of a model live herpes simplex virus vaccine (mice)
R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
P50DE-07003-01 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

GENETICS, POPULATION GENETICS, GENE FREQUENCIES
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)

GENETICS, POPULATION GENETICS, INBREEDING
P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors

GENETICS, POPULATION GENETICS HUMAN
SEE ALSO GENETIC DISORDERS, GENETIC COUNSELING
R01DE-03658-20 Genetic polymorphisms of saliva (human)
** R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii

GENETICS, POPULATION GENETICS MICROORGANISMS
** R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)

GENETICS, RECOMBINATION
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

GENETICS, RECOMBINATION, SISTER CHROMATID EXCHANGE
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)

GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO BIOLOGY, POLYMORPHISM
SEE ALSO GROWTH ABNORMAL, METAPLASIA
SEE ALSO TISSUE MOSAICISM
SEE ALSO VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-06622-01 Molecular mechanisms of periodontal disease

GENETICS STUDY SECTION
** R01DE-04224-10 Studies on the genetics of oral microflora (rats)

GENOTYPES
SEE GENETICS, GENOTYPES

GEOGRAPHICAL SITES, ASIA EASTERN, JAPAN
R03DE-06678-01 Assessment of genetic toxicity mediated by steviol (rats)

GEOGRAPHICAL SITES, EUROPE, SCANDINAVIAN COUNTRIES
** P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)

GEOGRAPHICAL SITES, UNITED STATES
P01DE-01850-21 0071 Nutritional sources and metabolic roles of fluoride - Fluoride content of infant, toddler and adult foods (human)
** P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)
R13DE-06711-01 International workshop on the biology of dentin and pulp (North Carolina)
R13DE-06873-01 Second world congress on biomaterials (Washington, D C)
R13DE-06995-01 Gordon research conference on the bones and teeth (New Hampshire)

GERIATRICS
SEE AGING

GERM-FREE
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE

GERM LAYERS
SEE EMBRYOLOGY, GERM LAYERS

GERMICIDES, THERAPEUTIC
SEE COMMUNICABLE DISEASE CONTROL AGENTS

GERONTOLOGY
SEE AGING

GESTATIONAL AGE (INTERIOR GESTATION)
SEE PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE

GINGIVA
SEE DENTAL STRUCTURE, GINGIVA

GINGIVAL CURETTAGE
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

GINGIVAL DISORDERS
SEE DENTAL DISORDERS, GINGIVAL

GINGIVAL HYPERPLASIA
SEE DENTAL DISORDERS, GINGIVAL HYPERPLASIA

GINGIVAL SULCUS
SEE DENTAL STRUCTURE, GINGIVA, GINGIVAL SULCUS

GINGIVITIS
SEE DENTAL DISORDERS, GINGIVITIS

GLANDS
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS
SEE TISSUE, EXOCRINE GLANDS (GENERAL)

GLASS
SEE SILICATES, GLASS

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
SEE ALSO IMMUNOLOGY, ANTIBODIES
SEE ALSO IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS
** P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
** R01DE-05695-03 Immunopathologic study of dental pulpitis
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN A
SEE ALSO IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
** P50DE-02623-17 0036 Center for oral health research - Cellular aspects of the muring IgA response
** P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)
** R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
** R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
** R01DE-07257-01 IgA protease and dental caries
N01DE-12430-08 Investigation of anticaries vaccine in primates
N01DE-42551-00 Develop antigens and adjuvants for carries immunity

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)
R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)
R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
** R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R01DE-06740-01 Human antibody responsiveness and dental caries
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer
N01DE-12430-08 Investigation of anticaries vaccine in primates
N01DE-42551-00 Develop antigens and adjuvants for carries immunity

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
N01DE-12430-08 Investigation of anticaries vaccine in primates
N01DE-42551-00 Develop antigens and adjuvants for carries immunity

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-05626-04 Role of complement in periodontal disease
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
** P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A

GLOBULINS, MYELOMA GLOBULINS
R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)

ALPHA1,4-GLUCAN GLUCOHYDROLASE
SEE CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE

GLUCANS
SEE HEXOSANS, GLUCANS

GLUCOAMYLASE
SEE CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE

GLUCOCORTICOIDS
SEE ADRENAL CORTEX HORMONES, GLUCOCORTICOIDS

ALPHA-D-GLUCOPYRANOSYL-BETA-D-FRUCTOFURANOSIDE
SEE DISACCHARIDES, SUCROSE

GLUCOSAMINOGLYCANS
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

GLUCOSE
SEE HEXOSES, GLUCOSE

D-GLUCOSE
SEE HEXOSES, GLUCOSE

GLUCOSE METABOLISM
SEE CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM

GLUCOSE-6-PHOSPHATE DEHYDROGENASE
SEE OXIDOREDUCTASES, GLUCOSE-6-PHOSPHATE DEHYDROGENASE

GLUCOSE TRANSPORT
SEE CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT

BETA-GLUCURONIDASE
SEE CARBOHYDRASES, BETA-GLUCURONIDASE

GLUCURONOSYLTRANSFERASES
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

GLUES
SEE CONSUMER PRODUCTS, GLUES AND ADHESIVES

GLUTAMYL PEPTIDES
SEE PEPTIDES, HOMOPEPTIDES, GLUTAMYL

GLUTAMYL TRANSPEPTIDASE
SEE PROTEASES AND PEPTIDASES, GLUTAMYL TRANSPEPTIDASE

GLUTARATES
SEE DICARBOXYLIC ACIDS, GLUTARATES

GLYCERIC ACID PHOSPHATES
SEE TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES

GLYCEROPHOSPHATES
SEE TRIOSE ALCOHOLS, GLYCEROPHOSPHATES

GLYCERYL PHOSPHATES
SEE TRIOSE ALCOHOLS, GLYCEROPHOSPHATES

GLYCINEMIA
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

GLYCITOLS
SEE SUGAR ALCOHOLS

GLYCOGEN
SEE HEXOSANS, GLUCANS, GLYCOGEN

GLYCOGENESIS
SEE CARBOHYDRATES BIOSYNTHESIS

GLYCOLIPIDS
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)

GLYCOLIPOPEPTIDES
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
R23DE-06945-02 Identification of microbial lectins (rabbits)

GLYCOLYSIS
SEE HEXOSES, GLYCOLYSIS

GLYCOPROTEINS
SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO GLYCOLIPOPEPTIDES
SEE ALSO METALLOPROTEINS, LACTOFERRIN
SEE ALSO PROTEOGLYCANS
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-03187-13 Transport in enamel and solubility of enamel (human)
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
R01DE-05092-06 Proteins involved in dentinogenesis
** R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
** R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)
R23DE-05893-03 Structural modulation of enamel pellicle formation
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
** R03DE-06486-02 Microsphere binding to palatal glycoproteins
R03DE-06572-01 Isolation of herpes simplex virion attachment protein
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)

GLYCOPROTEINS, FIBRONECTIN
R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)

GLYCOSAMINOGLYCANS
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

GLYCOSIDASES
SEE CARBOHYDRASES

GLYCOSIDE HYDROLASES
SEE CARBOHYDRASES

GLYCOSYLATION
SEE CHEMICAL REACTIONS, GLYCOSYLATION

GLYCOSYLTRANSFERASES
P50DE-07670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
R01DE-03758-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-02732-09 Studies on the dextran sucrase of Streptococcus sanguis
** R01DE-03739-12 Glycosyltransferases from oral bacteria
R01DE-05102-07 Potential anti-caries agents (rats)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
** P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE
** R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)

GMP CYCLIC
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

GNOTOBIOTICS
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE

GOLD
SEE METALS, HEAVY METALS, GOLD (COMPOUNDS)

GOLGI APPARATUS
SEE CELL COMPONENTS, GOLGI APPARATUS

GORETEX
SEE PLASTICS, FLUOROCARBON POLYMERS

GPL-A LOCUS (GUINEA PIG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

GRAFT VERSUS HOST REACTION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

GRAFTS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

GRAM-NEGATIVE ANAEROBIC BACTERIA
SEE BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*

GRAM-NEGATIVE ANAEROBIC COCCI
SEE BACTERIA, NEISSERIACEAE, VEILLONELLA*

GRAM-NEGATIVE BACTERIA
SEE BACTERIA, GRAM-NEGATIVE*

GRAM-NEGATIVE FACULTATIVELY ANAEROBIC RODS
SEE BACTERIA, BRUCELLACEAE, HEMOPHILUS*
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

GRAM-POSITIVE BACTERIA
SEE BACTERIA, GRAM-POSITIVE*

GRAMICIDIN
SEE ANTIBIOTICS, GRAMICIDIN (UNSPECIFIED)

GRANULOCYTES (GENERAL)
SEE BLOOD CELLS, LEUKOCYTES, GRANULOCYTES (GENERAL)

GRANULOMA
SEE NEOPLASMS RELATED INTEREST, GRANULOMA

GROUND CYTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

GROUND SUBSTANCE (CELL)
SEE CELL COMPONENTS, CYTOPLASM

GROUND SUBSTANCE (EXTRACELLULAR)
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

GROUP MEDICAL PRACTICE
SEE HEALTH CARE PROFESSIONAL PRACTICE, GROUP PRACTICE

GROUP PRACTICE
SEE HEALTH CARE PROFESSIONAL PRACTICE, GROUP PRACTICE

GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
SEE ALSO DENTAL DISORDERS, GINGIVAL HYPERPLASIA
SEE ALSO NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE
SEE ALSO ORAL-PHARYNGEAL HYPERPLASIA
R23DE-06040-03 Polyamines and palatal development (rabbits)

GROWTH ABNORMAL, HYPERTROPHY
SEE ALSO SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY
R23DE-06040-03 Polyamines and palatal development (rabbits)

GROWTH ABNORMAL, KERATINIZATION ABNORMAL
R03DE-06298-02 Oral and skin defects in pupoid fetus (pf/pf) mice

GROWTH ABNORMAL, METAPLASIA
R03DE-06298-02 Oral and skin defects in pupoid fetus (pf/pf) mice

GROWTH AND DEVELOPMENT
SEE ALSO BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT
SEE ALSO CELL DIVISION
SEE ALSO CELL GROWTH REGULATION
SEE ALSO CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE ALSO CHILD MENTAL DEVELOPMENT
SEE ALSO GENETICS, DEVELOPMENTAL GENETICS
SEE ALSO GROWTH MICROORGANISMS
SEE ALSO NUTRITION, DEVELOPMENTAL NUTRITION
SEE ALSO POPULATION STUDIES CELL
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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P50DE-02670-18 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies
M P01DE-03610-18 Craniofacial growth and development
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
** R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05632-04 Development of salivary gland secretory function (rats)
** R01DE-05905-03 Neural organization of a complex muscle (swine)
** R23DE-06040-03 Polyamines and palatal development (rabbits)
** R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GROWTH AND DEVELOPMENT, HISTOGENESIS

SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO CELL DIFFERENTIATION
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO CONNECTIVE TISSUE DEVELOPMENT
SEE ALSO DENTAL DEVELOPMENT
SEE ALSO NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
R01DE-02110-20 Salivary gland structure and function (mice, rats)
M P01DE-02848-14 Biology of connective tissue, bones, and teeth
P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
** R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
** R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
** R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
R01DE-05999-02 The role of nutrition in oral health (rats)
** R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

GROWTH AND DEVELOPMENT, HISTOGENESIS, BLASTEMA

** R01DE-06397-02 Biochemical aspects of orofacial development

GROWTH AND DEVELOPMENT, KERATINIZATION

P50DE-02731-18 0032 Development support for dental research institute - Epithelial cell basal lamina biosynthesis (rats)
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

GROWTH AND DEVELOPMENT, METAMORPHOSIS

R01DE-05574-04 Neural aspects of craniofacial morphogenesis (frogs)

GROWTH AND DEVELOPMENT, REGENERATION

SEE ALSO INJURIES, WOUND HEALING
SEE ALSO NERVOUS SYSTEM REGENERATION
SEE ALSO SKELETAL SYSTEM REGENERATION
SEE ALSO SKELETAL SYSTEM REGENERATION, BONE REGENERATION

** P50DE-02731-18 0033 Development support for dental research institute - Clinical trials of periodontal therapy (human)
** R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05395-05 Stem cells in oral mucosa (mice)
** R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
** R01DE-06250-02 Histologic evaluation of new attachments in humans
** R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)

SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

R01DE-05215-06 Influences on stability following orthognathic surgerya (human)

GROWTH DISORDERS PRENATAL

SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

GROWTH FACTORS (INCL. ANABOLICS)

** R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)

GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
** R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06955-01 Epidermal growth factor and tooth development (mice)

GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR

R01DE-03301-14 Connective tissues of the periodontium (human, dog)

GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)

GROWTH HORMONE-RELEASE INHIBITING FACTOR (GIF)

SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

GROWTH HORMONES INVERTEBRATE

SEE ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES

GROWTH INHIBITORS

R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

GROWTH MEDIA

R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

GROWTH MICROORGANISMS

** P50DE-02600-18 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
P50DE-02731-18 0034 Development support for dental research institute - Microbial biochemistry lab
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
** R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

GROWTH MICROORGANISMS, MICROBIAL CULTURE

SEE ALSO COMMUNICABLE DISEASE CONTROL, GERM-FREE, AXENIC CULTURE

R01DE-01554-23 Host factors in caries resistance (human, bacteria)
R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
R01DE-04278-09 Human saliva-streptococcal metabolic interactions
P50DE-04881-08 0002 Clinical research in periodontal diseases - Relationship of subgingival microbiota to the etiology of periodontal diseases
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

GROWTH REGULATION, CELLULAR

SEE CELL GROWTH REGULATION

GROWTH RETARDATION INTRAUTERINE

SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

GROWTH RETARDATION POSTNATAL

SEE GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)

GUANIDINES, BIGUANIDES, CHLORHEXIDINE

R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
** R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

GUANINE

SEE PURINES, GUANINE

GUANOSINE MONOPHOSPHATE CYCLIC

SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

GUT LYMPHOID TISSUE DEPENDENT IMMUNITY

SEE IMMUNITY, HUMORAL IMMUNITY

H ANTIGENS (HISTOCOMPATIBILITY)

SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2 LOCUS (MOUSE)

SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

H-2D ANTIGEN

SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2G ANTIGENS

SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2K ANTIGENS

SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H2-D GENES

SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

H2-G GENES

SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

H2-K GENES

SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

H2-S GENES

SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HALIDES

SEE HALOGENS (AND HALO COMPOUNDS), GENERAL

HALISTERESIS

SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

HALO COMPOUNDS

SEE HALOGENS (AND HALO COMPOUNDS), GENERAL

HALOGEN POISONING, FLUOROSIS

SEE ALSO DENTAL DISCOLORATION, DENTAL MOTTLING

** R01DE-06418-02 Laboratory and clinical studies of dental fluorosis

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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HALOGENATION, FLUORIDATION-DEFLUORIDATION
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
** R23DE-06562-01 Fluoridation effects on dental demand (human)
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
N01DE-32445-02 National caries program

HALOGENS (AND HALO COMPOUNDS), GENERAL
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS
SEE ALSO SODIUM CHLORIDE
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)

HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS
M P01DE-01850-21 Nutritional sources and metabolic roles of fluoride
P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat
** P01DE-01850-21 0071 Nutritional sources and metabolic roles of fluoride - Fluoride content of infant, toddler and adult foods (human)
** P01DE-01850-21 0075 Nutritional sources and metabolic roles of fluoride - Metabolic handling of perfluorooctanoic acid (rats)
** P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
** P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
** R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
** R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
** R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)
** R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06761-01 Prevention of surface zone limited caries of enamel
R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
R03DE-06803-01 Intermicroscopic correlation of remineralization
P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
N01DE-12434-06 Identify cariogenic elements of food
** N01DE-22439-04 Cost of combined sealant and self-applied fluoride program
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
R01DE-06761-01 Prevention of surface zone limited caries of enamel

HALOHYDROCARBONS, FLUOROHYDROCARBONS (GENERAL)
SEE ALSO PLASTICS, FLUOROCARBON POLYMERS
** P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)

HAND
SEE SKELETAL SYSTEM, LIMB, HAND

HANDICAPPED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

HAPTENS
SEE IMMUNOLOGY, HAPTENS

HARDNESS, SOLID STATE
SEE PHYSICAL PROPERTIES, SOLID STATE, HARDNESS

HARE LIP
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

HASHISH
SEE ALKALOIDS, CANNABIS

HAZARDS, OCCUPATIONAL
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

HAZARDS OF MEDICAL EQUIPMENT
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

HEAD
SEE BODY REGIONS, HEAD

HEAD AND NECK INJURIES
SEE INJURIES, HEAD AND NECK

HEAD AND NECK NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

HEAD INJURIES
SEE INJURIES, HEAD AND NECK

HEAD MEASUREMENTS
SEE BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY

HEAD MOVEMENT
SEE SKELETAL MOVEMENT, HEAD MOVEMENT

HEALING
SEE INJURIES, WOUND HEALING

HEALTH, DISEASE PREVENTION AND CONTROL
SEE ALSO COMMUNICABLE DISEASE CONTROL
SEE ALSO DENTISTRY, PREVENTIVE
SEE ALSO DIAGNOSTIC TESTS, EARLY DIAGNOSIS*
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
SEE ALSO NEOPLASMS PREVENTION AND CONTROL
SEE ALSO POPULATION STUDIES HUMAN, EPIDEMIOLOGY
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04385-09 Mechanism of dental caries (human)
** P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
** R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06417-01 Factors influencing long-term oral self-care (human)
R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device

HEALTH, PHYSICAL ACTIVITY, FATIGUE
P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)

HEALTH CARE COSTS-FINANCING
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

HEALTH CARE DELIVERY
SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT

HEALTH CARE FACILITIES, NURSING HOMES
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS

HEALTH CARE MODELS
SEE MODELS, HEALTH CARE MODELS

HEALTH (CARE) PERSONNEL ADJUNCT
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

HEALTH CARE PROFESSIONAL PRACTICE
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
R23DE-06522-02 Schooling and work setting--Effects on dental hygienists

HEALTH CARE PROFESSIONAL PRACTICE, GROUP PRACTICE
** R03DE-06818-01 College students and comprehensive care effectiveness

HEALTH CARE QUALITY
SEE ALSO DIAGNOSTIC QUALITY-STANDARDS
SEE ALSO HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
** R01DE-05761-05 Improved dental instruments and materials
R23DE-06522-02 Schooling and work setting--Effects on dental hygienists
R23DE-06865-01 Child desensitization for dental visits (human)

HEALTH CARE SERVICES, CASE FINDING AND OUTREACH
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)

HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
** R01DE-05913-03 Experiments in management of fearful children (human)
** R23DE-06865-01 Child desensitization for dental visits (human)

HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
** R23DE-06207-02 Patient response to student dentists affective behavior
R03DE-06793-01 Measurement of biologically based judgment in practice
R03DE-06818-01 College students and comprehensive care effectiveness
** R03DE-07042-01 Interdependence in the dentist-patient relationship

HEALTH CARE SERVICES, STUDENT HEALTH SERVICES
** R01DE-06895-01 Implementing preventive dental programs in schools

HEALTH CARE (SERVICES)(RESOURCES) ANALYSIS AND EVALUATION
SEE ALSO HEALTH CARE QUALITY
SEE ALSO HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R03DE-06818-01 College students and comprehensive care effectiveness
** R01DE-06895-01 Implementing preventive dental programs in schools

HEALTH CARE (SERVICES)(RESOURCES) PLANNING, COMPREHENSIVE
** R03DE-06818-01 College students and comprehensive care effectiveness

HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION
R23DE-06208-01 Preventive services adoption in private dental practices
** R23DE-06562-01 Fluoridation effects on dental demand (human)
R03DE-06818-01 College students and comprehensive care effectiveness
** R01DE-06895-01 Implementing preventive dental programs in schools

HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING
SEE ALSO HEALTH CARE (SERVICES)(RESOURCES) PLANNING, COMPREHENSIVE
R01DE-06638-01 Complete denture service psychophysiological criteria
R03DE-06818-01 College students and comprehensive care effectiveness

HEALTH EDUCATION, DENTAL
SEE EDUCATION, HEALTH EDUCATION, DENTAL

HEALTH INSURANCE, DENTAL
** R23DE-06562-01 Fluoridation effects on dental demand (human)
** R03DE-06818-01 College students and comprehensive care effectiveness

HEALTH PERSONNEL PERFORMANCE
SEE HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE

HEALTH PROMOTION
SEE HEALTH, DISEASE PREVENTION AND CONTROL

HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES
** P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data

HEALTH RESOURCES-SERVICES UTILIZATION
SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED
SEE ALSO DENTAL PERSONNEL, DENTAL ASSISTANTS
R01DE-06294-03 Effects of physiological feedback on dental fear (human)

HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
** R23DE-06207-02 Patient response to student dentists affective behavior

HEALTH SCIENCES RESEARCH (GENERAL)*
SEE ALSO DENTAL RESEARCH*
R13DE-06873-01 Second world congress on biomaterials (Washington, D C)
R13DE-06995-01 Gordon research conference on the bones and teeth (New Hampshire)

HEALTH SERVICES RESEARCH STUDY SECTION
** R23DE-06562-01 Fluoridation effects on dental demand (human)

HEALTH SOCIAL CONTROL, MALPRACTICE
R03DE-06793-01 Measurement of biologically based judgment in practice

HEALTH SURVEYS
SEE POPULATION SURVEYS, HEALTH SURVEYS

HEARING DISORDERS
SEE EAR DISORDERS, HEARING DISORDERS

HEARING (TISSUE) TRANSPLANTATION
SEE EAR (TISSUE) TRANSPLANTATION

HEART DISORDERS, ENDOCARDITIS BACTERIAL
** R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

HEART FUNCTION, HEART RATE
R01DE-06294-03 Effects of physiological feedback on dental fear (human)

HEART RATE
SEE HEART FUNCTION, HEART RATE

HEAT
SEE TEMPERATURE, HEAT

HEAT STABILITY-LABILITY
SEE TEMPERATURE, HEAT STABILITY-LABILITY

HEAT STIMULUS
SEE TEMPERATURE, HEAT, CALORIC STIMULATION

HEATING, AIR CONDITIONING, VENTILATION
SEE ENVIRONMENT CONTROLLED

HELPER T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES, HELPER

HEMAGGLUTINATION
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*

HEMAGGLUTININS (PLANT)
SEE PLANTS PROTEINS, LECTINS

HEMATOPOIESIS
SEE BLOOD AND RE SYSTEM, HEMATOPOIESIS

HEMATOPOIETIC TISSUE TRANSPLANTATION
SEE BLOOD AND RE SYSTEM, HEMATOPOIETIC TISSUE TRANSPLANTATION

HEMOCYTES
SEE BLOOD CELLS

HEMODYNAMICS
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)

HEMOLYSINS
SEE BLOOD TOXICOLOGY, HEMOLYSINS

ALPHA HEMOLYTIC GROUP OF STREPTOCOCCI
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*

HEMOPHILUS
SEE BACTERIA, BRUCELLACEAE, HEMOPHILUS*

HEMOPROTEINS, CYTOCHROME B
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

HEMOPROTEINS, CYTOCHROME P450
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

HEMOSTASIS
SEE BLOOD COAGULATION

HEMP (PLANT)
SEE CANNABIS

HEPARIN
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN

HEREDITARY DISORDERS
SEE GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)

HERPES 2
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES FEBRILIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES LABIALIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES SIMPLEX
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES SIMPLEX VIRUS
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPES SIMPLEX VIRUS 1
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1

HERPES SIMPLEX VIRUS 2
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2

HERPES SIMPLEX VIRUS GROUP
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPES VACCINES
SEE VACCINES, VIRAL, HERPES

HERPESVIRIDAE
SEE VIRUSES, HERPESVIRIDAE

HERPESVIRUS HOMINIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPESVIRUS INFECTIONS
SEE VIRUS DISEASES, HERPESVIRIDAE

HERPESVIRUS VARICELLAE
SEE VIRUSES, HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS

HERPESVIRUSES
SEE VIRUSES, HERPESVIRIDAE

HERPETOVIRIDAE
SEE VIRUSES, HERPESVIRIDAE

HETE
SEE FATTY ACIDS, UNSATURATED, ARACHIDONIC ACID(S)

5-HETE
SEE FATTY ACIDS, UNSATURATED, ARACHIDONIC ACID(S)

HETEROGAMY (MICROORGANISMS)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

HETEROLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

HETEROTHALLIC REPRODUCTION
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

HETEROTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

HETEROZYGOTES
SEE GENETICS, GENOTYPES, HETEROZYGOTES

HEURISTICS (ARTIFICIAL INTELLIGENCE)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

HEXOSANS, GALACTAN
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly

HEXOSANS, GLUCANS
R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05102-07 Potential anti-caries agents (rats)
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

HEXOSANS, GLUCANS, DEXTRAN
P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci
** R01DE-03246-15 Biochemical mechanisms relevant to dentistry
** R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-12 Glycosyltransferases from oral bacteria
R23DE-06072-03 Interaction of salivary components and S mutans
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07003-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents

HEXOSANS, GLUCANS, GLYCOGEN
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

HEXOSANS, GLUCANS, STARCH
N01DE-12434-06 Identify cariogenic elements of food

HEXOSES, DEOXYHEXOSES
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)

HEXOSES, FRUCTOSE
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-03739-12 Glycosyltransferases from oral bacteria

HEXOSES, GALACTOSE
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

HEXOSES, GALACTOSIDES
R23DE-06945-02 Identification of microbial lectins (rabbits)

HEXOSES, GLUCOSE
SEE ALSO CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM
SEE ALSO CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT
SEE ALSO HEXOSES, GLYCOLYSIS
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans

HEXOSES, GLYCOLYSIS
SEE ALSO TRICARBOXYLIC ACIDS, KREBS CYCLE
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06127-02 Acid-base physiology of oral streptococci
R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)

HG
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

HH ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HH GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HIGH ENERGY BEAMS
SEE RADIATION, HIGH ENERGY BEAMS

HIGH RISK, DISEASE PRONENESS
SEE DISEASE PRONENESS-RISK

HIGH-RISK PREGNANCIES (INTRAUTERINE FAILURE TO THRIVE)
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

HIGH SCHOOL
SEE EDUCATION, SCHOOLS, SECONDARY

HISTAMINE
SEE IMIDAZOLES, HISTAMINE

HISTIDINE
SEE CYCLIC AMINO ACIDS, HISTIDINE

HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*
** P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)
** R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

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*Excludes [illegible] ogy OF ...ers only general projects which ... be indexing at the specific level
**Orders [illegible] ...ve ...ect

M Grant has subprojects describing specific research aspects
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HISTOCOMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

HISTOCOMPATIBILITY ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HISTOCOMPATIBILITY GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HISTOGENESIS
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

HISTOLOGY (GENERAL)*
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)

HISTOPATHOLOGY (GENERAL)*
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
** P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)

HISTOPLASMIN TEST
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

HLA-A3 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-B7 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-B27 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-D ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-DW2 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HL-A LOCUS (HUMAN)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

HOLLOW DENTAL FIBERS
SEE DRUGS, DRUG DELIVERY SYSTEMS

HOM-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HOMEOSTASIS, HOMEOSTATIC CONTROL
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL), HOMEOSTASIS

HOMOLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

HOMOTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

HORMONAL REGULATION AND CONTROL (MECHANISMS)
SEE ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)

HORMONE BINDING PROTEINS
SEE ENDOCRINOLOGY, HORMONE BINDING PROTEINS

HORMONE RECEPTORS
SEE ENDOCRINOLOGY, HORMONE RECEPTORS

HORMONES
SEE ENDOCRINOLOGY, HORMONES

HORMONES BIOSYNTHESIS
SEE ENDOCRINOLOGY, HORMONES BIOSYNTHESIS

HORMONES METABOLISM
SEE ENDOCRINOLOGY, HORMONES METABOLISM

HOSPITAL FEES
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

HOSPITAL INFORMATION SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS

HOST-MICROORGANISM
SEE ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM

HOST-ORGANISM
SEE ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM

HOST-RESTRICTION ENDONUCLEASES
SEE NUCLEASES, ENDONUCLEASES (GENERAL)

HOST-VIRUS
SEE VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS

HR GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HUMAN AND HUMAN RELATED POPULATION STUDIES
SEE POPULATION STUDIES HUMAN

HUMAN EMBRYOLOGY AND DEVELOPMENT STUDY SECTION
SEE EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION

HUMAN (ALPHA) HERPESVIRUS 1
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1

HUMAN (ALPHA) HERPESVIRUS 2
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2

HUMAN (BETA) HERPESVIRUS 5
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

HUMAN (GAMMA) HERPESVIRUS 4
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

HUMORAL ANTIBODIES (GENERAL)
SEE IMMUNOLOGY, ANTIBODIES

HUMORAL IMMUNITY
SEE IMMUNITY, HUMORAL IMMUNITY

HYALINE SUBSTANCE
SEE BODY FLUIDS, HYALINE SUBSTANCE

HYALOPLASM
SEE CELL COMPONENTS, CYTOPLASM

HYALURONIC ACID
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID

HYALURONIDASE
SEE CARBOHYDRASES, HYALURONIDASE

HYALURONOGLUCOSIDASE
SEE CARBOHYDRASES, HYALURONIDASE

HYBRIDOMAS
SEE CELL HYBRIDS, HYBRIDOMAS

HYBRIDS
SEE GENETICS, GENOTYPES, HETEROZYGOTES

HYDRATION-DEHYDRATION
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

HYDRATION REACTIONS
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

HYDROCORTISONE
SEE ADRENAL CORTEX HORMONES, HYDROCORTISONE

HYDROGEN BOND
SEE CHEMICAL BONDS, HYDROGEN BOND

HYDROGEN-ION CONCENTRATION
SEE ACIDS-BASES, HYDROGEN-ION CONCENTRATION

HYDROGEN PEROXIDE
SEE PEROXIDES, HYDROGEN PEROXIDE

HYDROLASES
SEE ALSO CARBOHYDRASES
SEE ALSO PHOSPHATASES
P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
R01DE-07257-01 IgA protease and dental caries

HYDROLYSIS
SEE CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS

HYDROPS
SEE BODY FLUID BALANCE, EDEMA

4'-HYDROXYACETANILIDE
SEE PHENYLAMIDES, ACETAMINOPHEN

P-HYDROXYACETANILIDE
SEE PHENYLAMIDES, ACETAMINOPHEN

HYDROXYAPATITE
SEE CALCIUM PHOSPHATES, HYDROXYAPATITE

2-HYDROXYBENZOIC ACID
SEE PHENYLCARBOXYLATES, SALICYLATES

25-HYDROXYCHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL

6-HYDROXYDOPAMINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, L-HYDROXYDOPAMINE

9-(2-HYDROXYETHOXYMETHYL)GUANINE
SEE NUCLEOSIDES ANALOGS, ACYCLOVIR

HYDROXYL GROUPS
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

HYDROXYPROLINE
SEE CYCLIC AMINO ACIDS, PROLINE, HYDROXYPROLINE

HYDROXYPROPIONIC ACID
SEE FATTY ACIDS, LACTATES

5-HYDROXYTRYPTAMINE
SEE BENZOPYRROLES, SEROTONIN

HYPERGLYCEMIA
SEE CARBOHYDRATE BALANCE, HYPERGLYCEMIA

HYPERGLYCINEMIA
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

HYPERKERATOSIS, SKIN
SEE SKIN DISORDERS, SKIN KERATOSIS

HYPERPLASIA (GENERAL)
SEE GROWTH ABNORMAL, HYPERPLASIA (GENERAL)

HYPERPLASTIC OSTEOARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

HYPERPYREXIA
SEE TEMPERATURE (BODY), FEVER

HYPERSENSITIVITY (GENERAL)
SEE ALSO ALLERGY AND IMMUNOLOGY STUDY SECTION
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT COMPATIBILITY
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion

HYPERTHERMIA
SEE TEMPERATURE (BODY), FEVER

HYPERTROPHIC (PULMONARY) OSTEOARTHROPATHY
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

HYPERTROPHY
SEE GROWTH ABNORMAL, HYPERTROPHY

HYPERVITAMINOSIS
SEE NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS

HYPNOSIS
SEE PSYCHOLOGY, SUGGESTION, HYPNOSIS

HYPNOTICS AND SEDATIVES
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

HYPOIMMUNITY
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

HYPOPHOSPHATEMIA, FAMILIAL
SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

HYPOTENSIVE PEPTIDES
SEE PEPTIDES, VASOACTIVE PEPTIDES, HYPOTENSIVE PEPTIDES

HYPOTHALAMUS
SEE BRAIN, HYPOTHALAMUS

HYPOVITAMINOSIS D
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

HYPOXIA, RESPIRATORY
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

I
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

I REGION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IA ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

IDENTIFICATION OF VIRUSES
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION

IG GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IGA SECRETORY
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

IMAGE AND WAVESHAPE PROCESSING ANALYSIS AND DISPLAY
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

IMAGE ENHANCEMENT
SEE OPTICS, IMAGE ENHANCEMENT*

IMAGERY
SEE SENSORY-PERCEPTUAL PROCESSES, IMAGERY

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)
** R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts
** R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

IMIDAZOLES
SEE ALSO CYCLIC AMINO ACIDS, HISTIDINE
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

IMIDAZOLES, HISTAMINE
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)

IMIDAZOLES, METRONIDAZOLE
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06030-03 Metronidazole therapy in periodontal disease (human)

IMINES, SCHIFF BASES
P50DE-02668-18 0125 Regional dental research center Collagen crosslinks and the fate of extracellular matrix

8,9C-IMINOETHANOPHENANTHRO(4,5BCD)FURANS
SEE ALKALOIDS, MORPHINES

IMMUNE COMPLEXES
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES

IMMUNE DISORDERS
SEE IMMUNOPATHOLOGY (GENERAL)

IMMUNE RESPONSE GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IMMUNE SERA
SEE IMMUNOLOGY, ANTIBODIES, IMMUNE SERA

IMMUNE TOLERANCE
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

IMMUNITY (AND NATURAL RESISTANCE) (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
SEE ALSO IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS
** P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)

IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIBODIES, OPSONINS
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
** P50DE-02670-18 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
** R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
** P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
** R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

IMMUNITY, CELLULAR IMMUNITY (GENERAL)
SEE ALSO BLOOD CELLS, LYMPHOCYTES, KILLER CELLS
SEE ALSO BLOOD CELLS, T LYMPHOCYTES
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
** P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
** R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
** R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-05626-04 Role of complement in periodontal disease
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
** R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
** R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)

IMMUNITY, CROSS IMMUNITY
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
** R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)

IMMUNITY, CYTOKINES, LYMPHOKINES
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
** R01DE-06624-02 OAF synthesis in periodontal disease (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-06624-02 OAF synthesis in periodontal disease (human)

IMMUNITY, HUMORAL IMMUNITY
SEE ALSO BLOOD CELLS, B LYMPHOCYTES
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO IMMUNOLOGY, COMPLEMENT
** R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-06085-02 Interaction of oral sprochetes with periodontal tissues (human, rats)
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)

IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION
SEE ALSO IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS
SEE ALSO METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
R01DE-04278-09 Human saliva-streptococcal metabolic interactions

IMMUNITY, IMMUNOREGULATION
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION
SEE ALSO IMMUNOGENETICS (GENERAL)
SEE ALSO IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
** P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04881-08 0003 Clinical research in periodontal diseases - Host immunologic response to oral microorganisms
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

IMMUNITY, IMMUNOSUPPRESSION
SEE ALSO BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
** R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
** R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)

IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA
P50DE-02600-18 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
P01DE-02648-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)

IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)

IMMUNITY, IMMUNOSUPPRESSIVE AGENTS
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
SEE ALSO VACCINATION
** N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE
SEE ALSO VACCINATION
** R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)

IMMUNITY, ISOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

IMMUNIZATION
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION

IMMUNIZATION, ACTIVE
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE

IMMUNIZATION PASSIVE
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE

IMMUNOBIOLOGY STUDY SECTION
** R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
** R01DE-06740-01 Human antibody responsiveness and dental caries

IMMUNOCHEMISTRY
R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06692-02 CNS modulation of orofacial input (rats, cats)
R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)
P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)

IMMUNODIAGNOSIS (GENERAL)
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

IMMUNODIAGNOSIS OF NEOPLASMS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

IMMUNOFLUORESCENCE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

IMMUNOGENETICS (GENERAL)
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
** P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
** R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06962-01 Surface protein antigens of cariogenic streptococci

IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
** R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)

IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R01DE-06740-01 Human antibody responsiveness and dental caries

IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
** P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)

IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
R01DE-06108-03 Pathogenesis of teratogen-induced facial clefts (mice)

IMMUNOGLOBULIN A
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN A

IMMUNOGLOBULIN A, SECRETORY
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

IMMUNOGLOBULIN BIOSYNTHESIS
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS

IMMUNOGLOBULIN D
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D

IMMUNOGLOBULIN E
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E

IMMUNOGLOBULIN G
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G

IMMUNOGLOBULIN GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IMMUNOGLOBULIN GENES AND CONTROL
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IMMUNOGLOBULIN M
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

IMMUNOGLOBULIN RECEPTORS
SEE IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS

IMMUNOGLOBULIN STRUCTURE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE

IMMUNOGLOBULINS
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)

IMMUNOLOGIC DEFICIENCY DISORDERS
SEE IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS

IMMUNOLOGIC REACTIVITY CONTROL
SEE IMMUNITY, IMMUNOREGULATION

IMMUNOLOGICAL PARALYSIS
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

IMMUNOLOGICAL PREPARATIONS (GENERAL)(INCLUDING CERTIFICATION AND STANDARDIZATION)
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
SEE ALSO IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
** R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R03DE-06798-01 Testing of a model live herpes simplex virus vaccine (mice)

IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO IMMUNOLOGY, ANTIBODY SPECIFICITY
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
** R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)

IMMUNOLOGICAL SCIENCES STUDY SECTION
** R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)

IMMUNOLOGICAL TESTS
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO CELL ADHESION
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R03DE-06475-02 Automated immunofluorescent speciation of oral bacteria (rabbits)

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*
SEE ALSO NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
** R03DE-06333-02 Immunoglobulin A affinity at a secretory site (rats)

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*
** P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat

IMMUNOLOGICAL UNRESPONSIVENESS
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

IMMUNOLOGY, ANTIBODIES
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO IMMUNOPATHOLOGY, AUTOANTIBODIES
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)

IMMUNOLOGY, ANTIBODIES, AGGLUTININS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-05251-05 Salivary gland secretory mechanisms (rats)

IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS
R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)

IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)

IMMUNOLOGY, ANTIBODIES, OPSONINS
SEE ALSO IMMUNOLOGY, COMPLEMENT
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)

IMMUNOLOGY, ANTIBODIES BACTERIAL
** P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)

IMMUNOLOGY, ANTIBODIES VIRAL
R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
** R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)

IMMUNOLOGY, ANTIBODY SPECIFICITY
** R01DE-06740-01 Human antibody responsiveness and dental caries
P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)

IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
SEE ALSO IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS
SEE ALSO IMMUNOLOGY, SEROLOGY*
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)

IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES
R01DE-06860-01 Complement monocyte interactions in periodontal disease

(contd.)

*Excludes review methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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IMMUNOLOGY, ANTIGENS
SEE ALSO IMMUNOLOGY, HAPTENS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
** R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)

IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
P50DE-02600-18 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
RO1DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04529-08 Replacement therapy of dental caries (rats)
** R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R03DE-06586-02 A genetic approach for study of actinomyces viscosus
R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06380-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06962-01 Surface protein antigens of cariogenic streptococci
N01DE-42551-00 Develop antigens and adjuvants for carries immunity

IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO POLYSACCHARIDES, BACTERIAL (GENERAL)
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
** R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
** R01DE-06962-01 Surface protein antigens of cariogenic streptococci
N01DE-42551-00 Develop antigens and adjuvants for carries immunity

IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS
** R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria

IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS
P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
** R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
** R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)

IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS
P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci

IMMUNOLOGY, ANTIGENS MICROBIAL
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS VIRAL
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
SEE ALSO POLYSACCHARIDES, BACTERIAL (GENERAL)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)

IMMUNOLOGY, ANTIGENS VIRAL
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)
** R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers

IMMUNOLOGY, COMPLEMENT
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
** P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-05626-04 Role of complement in periodontal disease
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R01DE-06860-01 Complement monocyte interactions in periodontal disease
** R03DE-07005-01 Reactivity of saliva with complement

IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS
P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--its role in periodontal disease (human)
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
** P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h

IMMUNOLOGY, COMPLEMENT RECEPTORS
R01DE-05626-04 Role of complement in periodontal disease

IMMUNOLOGY, HAPTENS
P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)

IMMUNOLOGY, HAPTENS (CARDIOLIPIN)
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

IMMUNOLOGY, MICROBIAL
SEE ALSO IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02600-18 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
P50DE-02600-18 0037 Support for oral biology research center - Periodontal microflora (human)
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02670-18 0033 Institute of dental research - Genetic and biochemical basis for S mutans virulence (rats)
** P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
P50DE-02731-18 0034 Development support for dental research institute - Microbial biochemistry lab
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** P50DE-04881-08 0003 Clinical research in periodontal diseases - Host immunologic response to oral microorganisms
** P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
** P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05626-04 Role of complement in periodontal disease
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
** R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)
R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R23DE-06640-02 Neutrophil defects induced by oral bacterial products
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)
** P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries

IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM
** P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
P50DE-02670-18 0037 Institute of dental research - Cellular basis of induction of secretory immune response (mice)
** R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)
** R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)
R01DE-06740-01 Human antibody responsiveness and dental caries
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

IMMUNOLOGY, SEROLOGY*
SEE ALSO BLOOD AND RE SYSTEM, BLOOD, SERUM
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers

IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
** R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)

IMMUNOPATHOLOGY (GENERAL)
SEE ALSO HYPERSENSITIVITY (GENERAL)
SEE ALSO NEOPLASMS IMMUNOLOGY
** P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
** P50DE-02670-18 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
R01DE-05695-03 Immunopathologic study of dental pulpitis

IMMUNOPATHOLOGY, AUTOANTIBODIES
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)

IMMUNOPATHOLOGY, AUTOANTIBODIES, ANTINUCLEAR FACTORS
R01DE-06645-02 Genetic regulation of B cell replication and function (mice)

IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS
SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, PHAGOCYTE DYSFUNCTION (GENERAL)
SEE ALSO IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS
(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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SEE ALSO METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)

IMMUNOREGULATION
SEE IMMUNITY, IMMUNOREGULATION

IMMUNORESPONSE (IR) GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IMMUNOSUPPRESSION
SEE IMMUNITY, IMMUNOSUPPRESSION

IMMUNOSUPPRESSION, RADIATION INDUCED
SEE IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION

IMMUNOSUPPRESSION (IS) GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

IMMUNOSUPPRESSIVE AGENTS
SEE IMMUNITY, IMMUNOSUPPRESSIVE AGENTS

IMPEDANCE, SOUND
SEE PHYSICAL PROPERTIES, SOUND IMPEDANCE

IMPLANT COMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT COMPATIBILITY

IMPLANT COMPATIBILITY OF BIOMATERIALS
SEE BIOMATERIALS IMPLANTS AND COMPATIBILITY

IMPLANTS
SEE TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT

IMPLANTS OF BIOMATERIALS
SEE BIOMATERIALS IMPLANTS AND COMPATIBILITY

IMPRESSION MATERIALS
SEE DENTAL MATERIALS, IMPRESSION MATERIALS

IN
SEE METALS, HEAVY METALS, INDIUM (COMPOUNDS)

INACTIVATION POTENTIAL
SEE ELECTROPOTENTIALS

INBREEDING
SEE GENETICS, POPULATION GENETICS, INBREEDING

INDEPENDENCY, EMOTIONAL
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

INDERAL
SEE NAPHTHYLAMINES, PROPRANOLOL

INDIANS, AMERICAN
SEE SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS

INDICATORS AND REAGENTS
** R03DE-06446-01 Bifunctional reagents as alternatives to formecresol (rats, dogs, rabbits)

INDIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, INDIUM (COMPOUNDS)

INDIVIDUALITY
SEE PSYCHOLOGY, PERSONALITY

INDOCIN
SEE BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN

INDOMETHACIN
SEE BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN

INDUSTRIAL HAZARD
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

INDUSTRIAL PSYCHOLOGY
SEE PSYCHOLOGY OCCUPATIONAL

INERT GASES
SEE GAS ELEMENTS, INERT

INFANT ANIMALS
SEE AGE (ANIMAL), INFANTS

INFANT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

INFANT FOODS
SEE FOOD, INFANT FOODS

INFANT HUMAN
SEE CHILDREN, INFANT (BIRTH TO 1 YR)

INFANT MENTAL DEVELOPMENT
SEE CHILD MENTAL DEVELOPMENT

INFANT NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

INFANT NEWBORN (ANIMAL)
SEE AGE (ANIMAL), INFANTS NEWBORN

INFANTS OF HIGHER VERTEBRATES
SEE AGE (ANIMAL), INFANTS

INFECTION MECHANISM
SEE VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)

INFECTIONS AND CANCER, COMPLICATIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS

INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS
SEE VIRUSES, HERPESVIRIDAE

INFECTIOUS DISEASES CONTROL
SEE COMMUNICABLE DISEASE CONTROL

INFLAMMATION
SEE DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION

INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER
R03DE-06799-01 Speech prostheses in orofacial cancer patients

INFORMATION BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION CENTERS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION-COMMUNICATION BEHAVIOR
SEE ALSO SENSORY DISORDERS AND LANGUAGE STUDY SECTION
R01DE-04494-07 Control of stress during dental procedures (human)

INFORMATION-COMMUNICATION BEHAVIOR, FACIAL EXPRESSION
** R01DE-06219-02 Facial behavior related to acute dental pain (human)

INFORMATION-COMMUNICATION BEHAVIOR, PARALINGUISTIC BEHAVIOR
** R23DE-06207-02 Patient response to student dentists affective behavior

INFORMATION-COMMUNICATION BEHAVIOR, SPEECH
** P50DE-02668-18 0214 Regional dental research center - Motor control during speech

INFORMATION-COMMUNICATION BEHAVIOR, VERBAL BEHAVIOR
** R23DE-06207-02 Patient response to student dentists affective behavior

INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS
P01DE-01697-22 0036 Craniofacial problems - Evaluation of velopharyngeal sphincteric function (human)
** P01DE-01697-22 0037 Craniofacial problems - Effects of oronasal fistulae on speech (human)
** P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS DIAGNOSIS
P50DE-02668-18 0214 Regional dental research center - Motor control during speech
** P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R03DE-06799-01 Speech prostheses in orofacial cancer patients
** R03DE-07019-01 Ultrasonic detection of oral markers (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY
P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** R03DE-06799-01 Speech prostheses in orofacial cancer patients

INFORMATION DISSEMINATION
SEE ALSO EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS
SEE ALSO INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
R23DE-06208-01 Preventive services adoption in private dental practices

INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, INTERNATIONAL
** R13DE-06711-01 International workshop on the biology of dentin and pulp (North Carolina)
** R13DE-06873-01 Second world congress on biomaterials (Washington, D C)
** R13DE-06995-01 Gordon research conference on the bones and teeth (New Hampshire)

INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, WORKSHOP
** R13DE-06800-01 Workshop on molecular interactions in oral microbial adherence

INFORMATION DISSEMINATION, RADIO
** P50DE-07010-01 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

INFORMATION DISSEMINATION, VIDEOTAPES (GENERAL)
R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)
N01DE-12433-04 Phase contrast evaluation of subgingival plaque

INFORMATION EXCHANGE
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION GATHERING (DATA COLLECTION)
SEE ALSO POPULATION SURVEYS
R01DE-02320-19 Clinical behavior of dental [illegible] materials (human)

INFORMATION GATHERING (DATA COLLECTION), INTERVIEWS
N01DE-32445-02 National caries [illegible]

INFORMATION GATHERING (DATA COLLECTION), QUESTIONNAIRES
R01DE-05744-04 Psychosocial factors in [illegible] (human)
R23DE-06208-01 Preventive services adoption in private dental practices
N01DE-32445-02 National caries program

INFORMATION GATHERING METHODS EVALUATION-STANDARDS
** R01DE-04068-10 Statistical methods in dental research
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)

INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)
SEE ALSO ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO SENSORY FEEDBACK
** R01DE-06943-01 Central projections of MES V afferents (cats)

INFORMATION PROCESSING AND CONTROL (BIOLOGICAL), HOMEOSTASIS
SEE ALSO BODY FLUID BALANCE, ACID-BASE
SEE ALSO BODY FLUID BALANCE, IONIC
SEE ALSO CELL GROWTH REGULATION
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-18 0088 Regional dental research center - Hypervitaminose D in lactation (rats)
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
R01DE-05395-05 Stem cells in oral mucosa (mice)
P01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)

INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
SEE ALSO NEUROPSYCHOLOGY (GENERAL)*
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO SENSORY FEEDBACK
** P50DE-02668-18 0199 Regional dental research center - Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri
** R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
** R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06762-01 Development of an advanced artificial oral environment
** R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)

INFORMATION RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
SEE ALSO BIOMEDICAL REGISTRIES AND REFERRAL CENTERS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS
SEE ALSO TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data
R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii
** N01DE-42500-02 Microbiological information system

INFORMATION SYSTEMS, INFORMATION RETRIEVAL
R01DE-02862-17 Growth and development of the human head
P01DE-02872-15 0018 Center for craniofacial anomalies - Computerization of clinical data

(cont)

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**Oriented significantly to above subject.

(#) Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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** P01DE-02872-15 0064 Center for craniofacial anomalies - Audiology
P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
N01DE-42500-02 Microbiological information system

INFUSION PUMPS IMPLANTED FOR DRUG DELIVERY
SEE DRUGS, DRUG DELIVERY SYSTEMS

INHALATION
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

INHALATION ANESTHESIA
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

INHALATION-EXHALATION
SEE RESPIRATORY FUNCTION, RESPIRATION

INHIBITORS
SEE AMINO ACIDS INHIBITORS
SEE CALCIFICATION INHIBITORS
SEE DENTAL CARIES INHIBITORS
SEE ENZYME INHIBITORS
SEE GROWTH INHIBITORS

INJURIES, FRACTURES
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)

INJURIES, HEAD AND NECK
** R03DE-06690-01 Long-term follow-up of craniofacial injuries

INJURIES, SCARS
SEE ALSO SKIN DISORDERS, KELOID
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

INJURIES, SURGICAL WOUNDS
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

INJURIES, TRAUMA
SEE ALSO INJURIES, HEAD AND NECK
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
R01DE-05905-03 Neural organization of a complex muscle (swine)
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)
** R03DE-06690-01 Long-term follow-up of craniofacial injuries

INJURIES, WOUND HEALING
SEE ALSO GROWTH AND DEVELOPMENT, REGENERATION
P50DE-02731-18 0033 Development support for dental research institute - Clinical trials of periodontal therapy (human)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
** P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)
R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
** R03DE-07046-01 Cell migration in experimental periodontal wounds (monkey)
** R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

INJURIES, WOUNDS
SEE ALSO INJURIES, SURGICAL WOUNDS
** R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)

INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
** R03DE-06600-01 Salivary dissolution of mercury from dental amalgams
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

INNERVATION (GENERAL)
SEE NERVOUS SYSTEM, NERVES, INNERVATION (GENERAL)

INSPIRATION-EXPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

INSTRUMENTATION CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED

INSTRUMENTATION NOT CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION NOT CLINICALLY ORIENTED

INSTRUMENTS AND EQUIPMENT (HARDWARE)
SEE BIOMEDICAL ENGINEERING
SEE COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)
SEE DENTAL INSTRUMENTS*
SEE EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS
SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER

INSULIN
SEE PANCREAS HORMONES, INSULIN

INSULIN-DEPENDENT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

INSURANCE
SEE HEALTH INSURANCE, DENTAL

INTEGRATIVE CONTROL (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

INTELLIGENCE, ARTIFICIAL
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

INTERACTIONS
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

INTERCELLULAR BRIDGES, CONNECTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

INTERCELLULAR JUNCTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

INTERFACIAL PHENOMENA WITH BIOMATERIALS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

INTERNAL CONTROL (AUTOGENIC CONDITIONING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

INTERNATIONAL MEETINGS
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, INTERNATIONAL

INTERPERSONAL BEHAVIOR, RELATIONS
SEE PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS

INTERVIEWS
SEE INFORMATION GATHERING (DATA COLLECTION), INTERVIEWS

INTESTINAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

INTESTINAL FLORA (BACTERIA)
SEE BACTERIA, ENTERIC (GENERAL)*

INTRACELLULAR MEMBRANES
SEE CELL COMPONENTS, INTRACELLULAR MEMBRANES

INTRACELLULAR SKELETON
SEE CELL COMPONENTS, CYTOSKELETON

INTRINSIC SURFACE ACTIVITY OF MEMBRANES
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

INVERTASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

INVERTEBRATE EMBRYOLOGY
SEE EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY

INVERTEBRATE HORMONES
SEE ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES

INVERTIN
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

INVESTMENT, INVESTMENT MATERIALS, DENTAL
SEE DENTAL MATERIALS, INVESTMENT

IODIDES
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

IODINE (COMPOUNDS)
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

ION BALANCE (BODY FLUIDS)
SEE BODY FLUID BALANCE, IONIC

ION CARRIERS
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS, (IONOPHORES)

ION EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT

ION PUMPS
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

ION PUMP INHIBITORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

IONIC BONDS
SEE CHEMICAL BONDS, IONIC

IONIC CONDUCTANCE CHANNELS
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

IONIZING RADIATION
SEE RADIATION, IONIZING RADIATION

BETA-IONONE DERIVATIVES
SEE VITAMINS, VITAMIN A (GENERAL)

IONOPHORES
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)

IONS
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
R01DE-06569-03 Quantitation of enamel demineralization mechanisms

IONS, ANION
R01DE-04385-09 Mechanism of dental caries (human)

IONS, CATION
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R03DE-06937-01 Structure-activity of polycarboxylate absorption by hydroxyapatite

IONS, ELECTROLYTES
SEE ALSO BODY FLUID BALANCE, IONIC
R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
R01DE-03601-11 Effect of corrosion on dental amalgams
R01DE-04897-04 Functional development of salivary glands (rats)

IONS, POLYIONS, POLYANIONS
R01DE-05251-05 Salivary gland secretory mechanisms (rats)

IR GENES (IR-1A, IR-1B)
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IRON
SEE ALSO METALLOPROTEINS, LACTOFERRIN
SEE ALSO METALS, ALLOYS, STEEL
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)

IRON, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON

IRON METABOLISM
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
** R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

IRRIGATION
SEE THERAPY, LAVAGE

IR-THY-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IS GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

ISOALLOANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ISOALLOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ISOANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ISOCYANATES
SEE CYANATES, ISOCYANATES

ISOENZYMES
SEE ENZYMES, ISOENZYMES

ISOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ISOPROTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL

ISUPREL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL

IZ-1 GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

(cont'd)

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**Greatest significantly to above subject.

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See Appendix for investigator's name and Grant Number

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IZ-3 GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

J CHAIN LOCUS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

J GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

JAPAN
SEE GEOGRAPHICAL SITES, ASIA EASTERN, JAPAN

JAW
SEE ORAL-PHARYNGEAL, JAW

JAW MOVEMENT
SEE ORAL-PHARYNGEAL, JAW MOVEMENT

JOB PERFORMANCE
SEE OCCUPATIONS, JOB PERFORMANCE

JOB SATISFACTION
SEE OCCUPATIONS, JOB SATISFACTION

JOINT DISORDERS
SEE SKELETAL DISORDERS, JOINT DISORDERS

JOINT SOUND MEASUREMENTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

JOINT STRESS
SEE SKELETAL STRESS

JUDGMENT
SEE PSYCHOLOGY, COGNITION, JUDGMENT

JUVENILE (HUMAN)
SEE CHILDREN, ADOLESCENCE (12 TO 21 YRS)

JUVENILE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

K
SEE POTASSIUM

K-CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

KALLIDIN-9
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9

KANAMYCIN
SEE ANTIBIOTICS, AMINOGLYCOSIDE ANTIBIOTICS, KANAMYCIN

KAPPA CHAIN (LIGHT CHAIN)
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

KELOID
SEE SKIN DISORDERS, KELOID

KERATIN
SEE FIBROUS PROTEINS, KERATIN

KERATINIZATION (GENERAL)
SEE GROWTH AND DEVELOPMENT, KERATINIZATION

KERATINIZATION ABNORMAL
SEE GROWTH ABNORMAL, KERATINIZATION ABNORMAL

KERATOCONJUNCTIVITIS SICCA
SEE EYE DISORDERS, KERATOCONJUNCTIVITIS, KERATOCONJUNCTIVITIS SICCA

KERATOHYALIN
SEE FIBROUS PROTEINS, KERATOHYALIN

KERATOSIS, SKIN
SEE SKIN DISORDERS, SKIN KERATOSIS

KERATOSIS NIGRICANS
SEE SKIN DISORDERS, ACANTHOSIS NIGRICANS

KERN GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

KETOACIDS
SEE CARBOXYLIC ACIDS, KETO ACIDS

KETOSIS-PRONE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

KIDNEY DISORDERS
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)

KIDNEY DISORDERS, UREMIA
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)

KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)

KILLER CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

KINESTHESIS
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

KINETICS (CHEMISTRY)
SEE CHEMICAL REACTIONS (DYNAMICS)

KNEE
SEE SKELETAL SYSTEM, JOINT, KNEE

KREBS CYCLE
SEE TRICARBOXYLIC ACIDS, KREBS CYCLE

L-CHAIN GENETICS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

LA
SEE METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)

LA III
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

LABORATORY (BIOMEDICAL) DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

LABORATORY DIAGNOSTIC ERRORS
SEE DIAGNOSTIC QUALITY-STANDARDS

LACCASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

LACTATE DEHYDROGENASE
SEE OXIDOREDUCTASES, LACTATE DEHYDROGENASE

LACTATES
SEE FATTY ACIDS, LACTATES

LACTATION
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION

LACTOBACILLIC ACID
SEE FATTY ACIDS

LACTOBACILLUS
SEE BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS*

LACTOBACILLUS CASEI
SEE BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*

LACTOFERRIN
SEE METALLOPROTEINS, LACTOFERRIN

LACTOPEROXIDASE
SEE PEROXIDASES, LACTOPEROXIDASE

LACTOSE
SEE DISACCHARIDES, LACTOSE

LAD GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

LAMBDA CHAIN (LIGHT CHAIN)
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

LANTHANUM (COMPOUNDS)
SEE METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)

LARGE LYMPHOCYTE DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, HUMORAL IMMUNITY

LASER MICROPROBE EMISSION SPECTROGRAPH
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*

LASER SPECTROMETRY
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*

LAVAGE
SEE THERAPY, LAVAGE

LEAD (COMPOUNDS)
SEE METALS, HEAVY METALS, LEAD (COMPOUNDS)

LEARNING DISORDERS
SEE PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, LEARNING DISORDERS

LECITHINASE A
SEE PHOSPHOLIPASE, LECITHINASE A

LECTINS (NON-PLANT)
SEE PROTEINS, LECTINS (NON-PLANT)

LECTINS (PLANT)
SEE PLANTS PROTEINS, LECTINS

LEPTOSPIRA
SEE BACTERIA, SPIROCHETES, LEPTOSPIRA*

LEPTOTRICHIA
SEE BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*

LETS PROTEIN
SEE GLYCOPROTEINS, FIBRONECTIN

LEUCINE
SEE AMINO ACIDS, LEUCINE

LEUCONOSTOC
SEE BACTERIA, STREPTOCOCCACEAE, LEUCONOSTOC*

LEUKEMIA
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA

LEUKEMIA ACUTE
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA ACUTE

LEUKOCYTE ACTIVATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTE INHIBITORY FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

LEUKOCYTE PROLIFERATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTE TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES

LEUKOPENIA
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, LEUKOPENIA

LEUKOPLAKIA ORAL
SEE ORAL-PHARYNGEAL HYPERPLASIA, LEUKOPLAKIA ORAL

LEUKOSIS (LYMPHOMATOSIS) VIRUSES AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

LEUKOTAXIC FACTORS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

LEVARTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

LEVULOSE
SEE HEXOSES, FRUCTOSE

LICHEN PLANUS
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, LICHEN PLANUS

LIF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

LIFE STYLE
SEE PSYCHOLOGY, PERSONALITY, LIFE STYLE

LIGAMENTS
SEE SKELETAL SYSTEM, LIGAMENT

LIGANDS
SEE METAL COMPLEXES, LIGANDS

LIGHT
SEE PHOTOCHEMISTRY

LIGHT POLARIZATION
SEE OPTICAL POLARIZATION*

LIGHT SCATTERING
SEE OPTICS, LIGHT SCATTERING*

LIMULUS LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

LINIMENTS
SEE DOSAGE FORMS

LINKAGE
SEE GENETIC MAPPING, LINKAGE

LINOLEIC ACID
SEE FATTY ACIDS, LINOLEIC ACID

LINOLENIC ACID
SEE FATTY ACIDS, LINOLENIC ACID

LIP
SEE ORAL-PHARYNGEAL, LIPS

LIP, CLEFT
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

LIPID BIOSYNTHESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPID HAPTENS (CARDIOLIPIN)
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

LIPID METABOLISM
SEE LIPIDS METABOLISM

LIPID PIGMENTS
SEE TERPENES, CAROTENE

LIPIDS
SEE ALSO ENDOCRINOLOGY, HORMONES, STEROID HORMONES
SEE ALSO FATTY ACIDS
SEE ALSO GLYCOLIPIDS
SEE ALSO LIPOPROTEINS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

W Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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SEE ALSO PHOSPHOLIPIDS
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
SEE ALSO PROTEOLIPIDS
SEE ALSO STEROIDS
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
** R01DE-05666-04 Biochemistry of salivary lipids (rats, human)

LIPIDS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS

LIPIDS, FATS, UNSATURATED FATS
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)

LIPIDS, GLYCERIDES, DIGLYCERIDES
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)

LIPIDS, MEMBRANE LIPIDS
SEE ALSO FATTY ACIDS
SEE ALSO PHOSPHOLIPIDS
R01DE-05932-04 Role of lipoproteins in microbial calcification
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
P01DE-07168-01 Membrane function during germination of Candida albicans (mice)

LIPIDS BIOSYNTHESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPIDS METABOLISM
SEE ALSO FATTY ACIDS METABOLISM
SEE ALSO STEROID METABOLISM
P01DE-01350-21 0002 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)

LIPIDS METABOLISM, LIPOGENESIS
SEE ALSO LIPOPROTEINS BIOSYNTHESIS
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

LIPOCHROMES (CAROTENE)(CAROTENOIDS)
SEE TERPENES, CAROTENE

LIPOGENESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPOPOLYSACCHARIDES
SEE POLYSACCHARIDES, LIPOPOLYSACCHARIDES

LIPOPROTEINS
SEE ALSO GLYCOLIPOPEPTIDES
SEE ALSO PROTEOLIPIDS
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
** R01DE-05932-04 Role of lipoproteins in microbial calcification
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)

LIPOPROTEINS BIOSYNTHESIS
R01DE-05623-03 Bacterial products and bone metabolism (rats)

LIPOSOMES
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS, LIPOSOMES

LIPS
SEE ORAL-PHARYNGEAL, LIPS

LIVE VACCINES
SEE VACCINES, LIVE

LIVER CELLS
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)

LIVER EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

LIVER LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

LOCAL ADAPTATION SYNDROME
SEE STRESS

LOCAL HORMONES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

LOCOMOTION IN SINGLE CELL AND MULTICELLULAR MICROORGANISMS
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
SEE CELL MOVEMENT

LONGITUDINAL STUDY
SEE POPULATION STUDIES HUMAN, LONGITUDINAL STUDY

LOW BIRTH WEIGHT, HUMAN
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

LTF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS

LUMINESCENCE
SEE OPTICS, LIGHT EMISSION, LUMINESCENCE*

LUNG ALVEOLUS
SEE RESPIRATORY SYSTEM, LUNG ALVEOLUS

LUPUS ERYTHEMATOSUS SYSTEMIC
SEE CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC

LY ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

LY GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

LYMPHATIC TISSUE
SEE BLOOD AND RE SYSTEM, LYMPHATIC TISSUE

LYMPHOCYTE ACTIVATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE CHEMOTACTIC FACTOR (LCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

LYMPHOCYTE PRODUCTS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

LYMPHOCYTE PROLIFERATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE RECEPTORS AND RECOGNITION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE TRANSFORMING FACTORS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS

LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES

B LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES

LYMPHOID TISSUE
SEE BLOOD AND RE SYSTEM, LYMPHATIC TISSUE

LYMPHOKINES
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

LYMPHOMA
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, LYMPHOMA

LYSINE
SEE DIAMINO ACIDS, LYSINE

LYSOKINASE
SEE BLOOD COAGULATION, LYSOKINASE

LYSOSOMAL DISORDERS
SEE METABOLIC DISORDERS INBORN, LYSOSOMAL DISORDERS

LYSOSOMAL DYSFUNCTION IN DISORDERED LEUKOCYTE PHAGOCYTE ACTIVITY
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, PHAGOCYTE DYSFUNCTION (GENERAL)

LYSOSOMES
SEE CELL COMPONENTS, LYSOSOMES

LYSOZYME
SEE CARBOHYDRASES, LYSOZYME

MACROMOLECULES
SEE MOLECULES, MACROMOLECULES

MACROPHAGE CHEMOTACTIC FACTOR (MCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

MACROPHAGE FUSION FACTOR (MFF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

MACROPHAGE MIGRATION INHIBITORY FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MACROPHAGES
SEE BLOOD AND RE SYSTEM, MACROPHAGES

MAGNESIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, MAGNESIUM

MAGNETICS (GENERAL)
SEE ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)

MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

MALNUTRITION
SEE NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)

MALNUTRITION (NONDIETARY)
SEE NUTRITIONAL ABNORMALITIES

MALOCCLUSION
SEE DENTAL DISORDERS, MALOCCLUSION

MALPRACTICE
SEE HEALTH SOCIAL CONTROL, MALPRACTICE

MAMMALIAN EMBRYOLOGY
SEE EMBRYOLOGY, MAMMALIAN EMBRYOLOGY

MAMMALIAN GENETICS STUDY SECTION
** R01DE-03658-20 Genetic polymorphisms of saliva (human)

MAMMALS, PRIMATES*
** R01DE-04531-07 Strain in the facial bones (monkeys)
** R23DE-06554-02 Organization of cortical tooth representations (monkeys)

MAMMALS, RODENTS*
** N01DE-02426-05 Immunize rodents with rnn freund-type anticaries vaccines

MAMMALS, RODENTS, MYOMORPHA, MICE (LABORATORY)*
** P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors

MAMMALS, RODENTS, MYOMORPHA, RATS (LABORATORY)*
** R03DE-06298-02 Oral and skin defects in pupaid fetus (pf/pf) mice

MAMMARY TUMOR GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

MANDIBLE
SEE ORAL-PHARYNGEAL, JAW, MANDIBLE

MANDIBULAR CONDYLE
SEE ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

MANDIBULAR NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)

MANGANESE (COMPOUNDS)
SEE METALS, HEAVY METALS, MANGANESE (COMPOUNDS)

MAPPING
SEE GENETIC MAPPING

MARFAN SYNDROME
SEE METABOLIC DISORDERS INBORN, MARFAN SYNDROME

MARIE BAMBERGER DISEASE
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

MARIHUANA
SEE ALKALOIDS, CANNABIS

MARKERS
SEE GENETIC MAPPING, GENETIC MARKERS

MASTICATION
SEE DENTISTRY, MASTICATION

MATERNAL NUTRITION
SEE NUTRITION, MATERNAL-FETAL NUTRITION

MATHEMATICAL MODELS
SEE MODELS, MATHEMATICAL

MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
SEE ALSO POPULATION STUDIES HUMAN
SEE ALSO PSYCHOMETRICS
P01DE-02872-15 0003 Center for craniofacial anomalies - Genetic studies (human)
** R01DE-04068-10 Statistical methods in dental research
R01DE-05952-03 Comparison of clinical evaluation methods for amalgam (human)
** R01DE-06720-01 Resistance of various restorative materials
R03DE-06819-01 TMJ clicking related to orthodontic therapy

MATRIX, EXTRACELLULAR
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

MATRIX (GROUND CYTOPLASM)
SEE CELL COMPONENTS, CYTOPLASM

MATURE ANIMAL
SEE AGE (ANIMAL), MATURE (ADULT)

MCG GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

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MEAT
SEE FOOD, MEAT

MECHANICAL PRESSURE
SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

MECHANICAL STRESS
SEE PHYSICAL PROPERTIES, MECHANICAL STRESS

MECHANORECEPTORS
SEE SENSE ORGANS, MECHANORECEPTORS

MEDICAL AUDIT
SEE HEALTH CARE QUALITY

MEDICAL CARE COSTS-FINANCING
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

MEDICAL EQUIPMENT SAFETY
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

MEDICAL FACILITIES UTILIZATION
SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION

MEDICAL PERSONNEL PERFORMANCE
SEE HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE

MEDICAL PERSONNEL SUPPORTIVE
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL AI[illegible]

MEDICAL PRACTICE
SEE HEALTH CARE PROFESSIONAL PRACTICE

MEDICAL RESEARCH
SEE HEALTH SCIENCES RESEARCH (GENERAL)*

MEDICINE
SEE BEHAVIORAL MEDICINE

MEDULLA OBLONGATA
SEE BRAIN, MEDULLA OBLONGATA

MEGAVITAMIN THERAPY
SEE NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)

MEMBRANE, BASEMENT MEMBRANE
P50DE-02670-18 0019 Institute of dental research - Chemistry and molecular biology of the connective tissue protein, collagen
P50DE-02670-18 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
P50DE-02731-18 0032 Development support for dental research institute - Epithelial cell basal lamina biosynthesis (rats)
P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-05830-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R23DE-05733-0[illegible] Degradation of collagen in inflammation (human)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R03DE-06298-02 Oral and skin defects in pupoid fetus (pf/pf) mice
R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

MEMBRANE, MEMBRANE FUSION
SEE ALSO CELL ADHESION
SEE ALSO CELL-CELL INTERACTION
SEE ALSO CELL DIVISION
SEE ALSO CELL FUSION (GENERAL)
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELL INGESTION, PINOCYTOSIS
** R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frog, and hamsters)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE
** R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05932-04 Role of lipoproteins in microbial calcification
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

MEMBRANE, MUCOUS MEMBRANE
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
** R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)

MEMBRANE (BIOLOGICAL) STRUCTURE
SEE MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE

MEMBRANE FUSION
SEE MEMBRANE, MEMBRANE FUSION

MEMBRANE LIPIDS
SEE LIPIDS, MEMBRANE LIPIDS

MEMBRANE PERMEABILITY AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

MEMBRANE POTENTIALS
SEE ELECTROPOTENTIALS, MEMBRANE POTENTIALS

MEMBRANE PROTEINS
SEE PROTEINS, MEMBRANE PROTEINS

MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO CELL ADHESION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)
P50DE-02668-18 0168 Regional dental research center - Thrombin-platelet interactions (human)
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
** P50DE-02670-18 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
** R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
** R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05632-04 Development of salivary gland secretory function (rats)
R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
** R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06165-02 Cell biology of periodontal ligament fibroblast
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06397-02 Biochemical aspects of orofacial development
R03DE-06486-02 Microsphere binding to palatal glycoproteins
** R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
** R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R13DE-06800-01 Workshop on molecular interactions in oral microbial adherence
** R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

MEMBRANE SYNTHESIS AND RECONSTITUTION
** R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

MENTAL HEALTH EPIDEMIOLOGY
** R01DE-06570-03 Psychosocial evaluation of craniofacial patients

MERCURIALS
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

MERCURY (COMPOUNDS)
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

MERCURY POISONING
SEE METALS POISONING, MERCURY POISONING

MESENCEPHALON
SEE BRAIN, MESENCEPHALON

MESENCHYME
SEE CONNECTIVE TISSUE, MESENCHYME

MESSENGER RIBONUCLEIC ACID
SEE NUCLEIC ACIDS, MRNA

METABOLIC BONE DISEASE
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
R23DE-06832-01 Experimental diabetes and periodontitis (monkeys)

METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)

METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
P01DE-01554-23 Host factors in caries resistance (human, bacteria)
R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
** R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, LYSOSOMAL DISORDERS
SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, PHAGOCYTE DYSFUNCTION (GENERAL)
SEE ALSO CELL COMPONENTS, LYSOSOMES
SEE ALSO METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)

METABOLIC DISORDERS INBORN, MARFAN SYNDROME
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, OSTEOPETROSIS
** P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
** R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)

METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
** R01DE-05024-06 Craniofacial abnormalities in mice with vitamin D resistant rickets

METABOLISM*
SEE ALSO BIOENERGETICS
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO CARBOHYDRATES METABOLISM
SEE ALSO CONNECTIVE TISSUE METABOLISM
SEE ALSO ENDOCRINOLOGY, HORMONES METABOLISM
SEE ALSO FATTY ACIDS METABOLISM
SEE ALSO IRON METABOLISM
SEE ALSO LIPIDS METABOLISM

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriental superscript refers to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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SEE ALSO MUSCLE METABOLISM
SEE ALSO NUCLEIC ACIDS METABOLISM
SEE ALSO NUCLEOTIDES METABOLISM
SEE ALSO PROTEINS METABOLISM
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO STEROID METABOLISM
SEE ALSO TOXICOLOGY, TOXICANT METABOLISM
** R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)

METABOLISM, BIOTRANSFORMATION
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans

METAL CHELATES
SEE METAL COMPLEXES

METAL COMPLEXES
** R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

METAL COMPLEXES, LIGANDS
R01DE-06170-02 Radiopaque restorative and prosthetic dental resins
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
R23DE-06436-03 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R23DE-06945-02 Identification of microbial lectins (rabbits)
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)

METAL COMPLEXES, LIGANDS, CHELATING AGENTS
R01DE-06170-02 Radiopaque restorative and prosthetic dental resins

METAL DISORDERS AND IMBALANCES
SEE ALSO CALCIUM (MINERAL) IMBALANCES
P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat

METAL METABOLISM DISORDERS
SEE METAL DISORDERS AND IMBALANCES

METAL OXIDES
SEE ALSO METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE
R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion

METALLOPROTEINS, LACTOFERRIN
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

METALS
SEE ALSO DENTAL MATERIALS, DENTAL METALS
R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans

METALS, ALKALINE EARTH METALS, BARIUM (COMPOUNDS)
R01DE-06170-02 Radiopaque restorative and prosthetic dental resins
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
** R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)

METALS, ALKALINE EARTH METALS, MAGNESIUM
P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat
P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
R01DE-05932-04 Role of lipoproteins in microbial calcification
R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)
N01DE-12430-08 Investigation of anticaries vaccine in primates

METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R01DE-06569-03 Quantitation of enamel demineralization mechanisms

METALS, ALLOYS
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
R01DE-02320-19 Clinical behavior of dental restorative materials (human)
R01DE-03601-11 Effect of corrosion on dental amalgams
R01DE-04226-08 Subperiosteal oral implants (monkeys)
R01DE-04516-06 Corrosion and clinical behavior of dental amalgam
** R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05321-05 Titanium alloys in dentistry
** R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
** R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
** R01DE-05940-03 Chemical stability of low nobility dental alloys
** R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
** R01DE-06672-02 Optimization of metal-ceramic restoration design

METALS, ALLOYS, STEEL
R03DE-06816-01 Toward revising the standard tests for orthodontic wire

METALS, ALUMINUM (COMPOUNDS)
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems

METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE
R03DE-06675-01 Biological evaluation of a new dental cement (rats)

METALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

METALS, HEAVY METALS, CADMIUM (COMPOUNDS)
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)

METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)
R01DE-04226-08 Subperiosteal oral implants (monkeys)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05321-05 Titanium alloys in dentistry
R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
R01DE-06672-02 Optimization of metal-ceramic restoration design
R03DE-06816-01 Toward revising the standard tests for orthodontic wire

METALS, HEAVY METALS, COBALT (COMPOUNDS)
R01DE-04226-08 Subperiosteal oral implants (monkeys)
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
R03DE-06816-01 Toward revising the standard tests for orthodontic wire

METALS, HEAVY METALS, COPPER (COMPOUNDS)
P50DE-02668-18 0191 Regional dental research center - Clinical evaluation of restorative materials and techniques (human)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
R01DE-06720-01 Resistance of various restorative materials
** R01DE-06994-01 Palladium containing dental amalgam

METALS, HEAVY METALS, GOLD (COMPOUNDS)
R01DE-02320-19 Clinical behavior of dental restorative materials (human)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
R01DE-06672-02 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, INDIUM (COMPOUNDS)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)

METALS, HEAVY METALS, LEAD (COMPOUNDS)
R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)

METALS, HEAVY METALS, MANGANESE (COMPOUNDS)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)

METALS, HEAVY METALS, MERCURY (COMPOUNDS)
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
SEE ALSO METALS POISONING, MERCURY POISONING
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R03DE-06600-01 Salivary dissolution of mercury from dental amalgams

METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems

METALS, HEAVY METALS, NICKEL (COMPOUNDS)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
** R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
R01DE-06672-02 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
R01DE-06672-02 Optimization of metal-ceramic restoration design
** R01DE-06994-01 Palladium containing dental amalgam

METALS, HEAVY METALS, SILVER (COMPOUNDS)
P50DE-02668-18 0191 Regional dental research center - Clinical evaluation of restorative materials and techniques (human)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
R01DE-06672-02 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, TIN (COMPOUNDS)
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R23DE-05969-03 Effect of single and multiple applications of fluoride (human)
R01DE-06994-01 Palladium containing dental amalgam

METALS, HEAVY METALS, TITANIUM (COMPOUNDS)
** R01DE-04705-05 Reactions of titanium fluoride with hydroxapatite
** R01DE-05321-05 Titanium alloys in dentistry
** R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)
R03DE-06816-01 Toward revising the standard tests for orthodontic wire

METALS, HEAVY METALS VANADIUM (COMPOUNDS)
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, HEAVY METALS, ZINC (COMPOUNDS)
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
P50DE-02670-18 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)

(cont)

*Excludes review methodology OR covers only general projects which preclude indexing at the specific level
**Overlaps significantly to above subject

@ Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number

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R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent
R03DE-06605-02 Modulation of leukocyte functions by dental related metals (human)
R03DE-06675-01 Biological evaluation of a new dental cement (rats)

METALS, METALLOIDS, SELENIUM (COMPOUNDS)
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)
R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)

METALS POISONING, MERCURY POISONING
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
** R03DE-06600-01 Salivary dissolution of mercury from dental amalgams
** R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

METAMORPHOSIS
SEE GROWTH AND DEVELOPMENT, METAMORPHOSIS

METAPLASIA
SEE GROWTH ABNORMAL, METAPLASIA

METHACRYLATES
SEE PLASTICS, ACRYLIC POLYMERS, METHACRYLATES

METHIONINE
SEE SULFUR AMINO ACIDS, METHIONINE

METHYLATION
SEE ALKYL (GROUPS), METHYLATION-DEMETHYLATION

N(5)-METHYLFOLIC ACID
SEE VITAMINS, FOLACINS, FOLIC ACID

10-METHYLOCTADECANOIC ACID
SEE FATTY ACIDS

METHYLSULFOXIDE
SEE SULFOXIDES, DIMETHYL SULFOXIDE

5-METHYLTOCOL
SEE VITAMINS, VITAMIN E, TOCOLS

B-METHYLTOCOL
SEE VITAMINS, VITAMIN E, TOCOLS

METHYL TRANSFER
SEE ALKYL TRANSFER, TRANSMETHYLATION

METHYLUREA
SEE AMIDES, UREA

METRONIDAZOLE
SEE IMIDAZOLES, NITROIMIDAZOLE

MG
SEE METALS, ALKALINE EARTH METALS, MAGNESIUM

MHC (LOCUS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

MICE (LABORATORY)
SEE MAMMALS, RODENTS, MYOMORPHA, MICE (LABORATORY)*

MICROALGAL GENETICS
SEE GENETICS, MICROBIAL

MICROBEAM RADIATION
SEE RADIATION, HIGH ENERGY BEAMS

MICROBIAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS MICROBIAL

MICROBIAL CULTURE
SEE GROWTH MICROORGANISMS, MICROBIAL CULTURE

MICROBIAL GENETICS
SEE GENETICS, MICROBIAL

MICROBIAL GENETICS REVIEW GROUP
** R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)

MICROBIAL GROWTH
SEE GROWTH MICROORGANISMS

MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
P50DE-02600-18 0037 Support for oral biology research center - Periodontal microflora (human)
P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
P01DE-02847-16 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-05054-06 Periodontal disease--Microbiological studies (human)
** P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
** R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
** R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
** R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)

MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
SEE ALSO IMMUNITY, CROSS IMMUNITY
** P50DE-02600-18 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)

MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION
R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)

MICROBIAL IMMUNOLOGY
SEE IMMUNOLOGY, MICROBIAL

MICROBIAL INTERACTION
SEE ALSO REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02731-18 0034 Development support for dental research institute - Microbial biochemistry lab
R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)

MICROBIAL MATTS
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

MICROBIAL ORAL FLORA
SEE ALSO BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
SEE ALSO BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*
SEE ALSO BACTERIA, BACTEROIDACEAE, BACTEROIDES*
SEE ALSO BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*
SEE ALSO BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*
SEE ALSO BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*
SEE ALSO BACTERIA, NEISSERIACEAE, VEILLONELLA*
SEE ALSO BACTERIA, PSEUDOMONADALES, VIBRIO*
SEE ALSO BACTERIA, SPIROCHETES, TREPONEMA*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS
SEE ALSO DENTISTRY
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02600-18 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
** P50DE-02600-18 0037 Support for oral biology research center - Periodontal microflora (human)
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
** P50DE-02600-18 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
** P50DE-02623-17 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
** P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
** P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
** P50DE-02670-18 0033 Institute of dental research - Genetic and biochemical basis for S mutans virulence (rats)
** P50DE-02670-18 0040 Institute of dental research - Streptococcus mutans strains common to mother and child
P50DE-02670-18 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
P50DE-02731-18 0033 Development support for dental research institute - Clinical trials of periodontal therapy (human)
** P50DE-02731-18 0034 Development support for dental research institute - Microbial biochemistry lab
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
M P01DE-02847-16 Microbial ecology and its relation to dental disease
** P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
** P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
** P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
** P01DE-02847-16 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
** R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-12 Glycosyltransferases from oral bacteria
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04224-10 Studies on the genetics of oral microflora (rats)
** R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-04529-08 Replacement therapy of dental caries (rats)
R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
** P50DE-04881-08 0002 Clinical research in periodontal diseases - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-08 0003 Clinical research in periodontal diseases - Host immunologic response to oral microorganisms
P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
M P50DE-04898-08 Periodontal disease research center
** P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
** P50DE-04898-08 0002 Periodontal disease research center - Host response in periodontal disease (human)
** P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-05054-06 Periodontal disease--Microbiological studies (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
** P50DE-05139-07 0001 Clinical research center for periodontal disease - Microbiology (human)
** P50DE-05139-07 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
** R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
** R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
** R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05623-03 Bacterial products and bone metabolism (rats)
R01DE-05626-04 Role of complement in periodontal disease
** R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-05695-03 Immunopathologic study of dental pulpitis
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
** R01DE-05932-04 Role of lipoproteins in microbial calcification
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
** R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)
R01DE-06071-01 Calcium metabolism in Streptococcus mutans
R23DE-06072-03 Interaction of salivary components and S mutans
** R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
** R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06103-02 Evaluation of four modalities of periodontal therapy
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06127-02 Acid-base physiology of oral streptococci
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
** R01DE-06160-02 Maternal transmission of streptococcus mutans (human)
** R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
** R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
** R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
R23DE-06436-03 Periodontosis--Characterization of the neutrophil defect (human)
R03DE-06453-02 Detection of B gingivalis in plaque by ELISA procedure (human, mammals)
R03DE-06465-02 Effect of vital apicoectomy on the dental tissues (monkeys)
R03DE-06475-02 Automated immunofluorescent speciation of oral bacteria (rabbits)
R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
R01DE-06516-02 Oral infection in myelosuppressed cancer patients
R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R03DE-06586-02 A genetic approach for study of actinomyces viscosus
R01DE-06622-01 Molecular mechanisms of periodontal disease
** R23DE-06640-02 Neutrophil defects induced by oral bacterial products
** R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)
** R03DE-06706-02 Bacterial chemotaxis in oral treponema species
R01DE-06740-01 Human antibody responsiveness and dental caries
** R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
** R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R13DE-06800-01 Workshop on molecular interactions in oral microbial adherence
** R03DE-06814-01 Transposon mutagenesis of the oral streptococci
R23DE-06832-01 Experimental diabetes and periodontitis (monkeys)
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
** R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
** R23DE-06945-02 Identification of microbial lectins (rabbits)
R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)
** P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
M P50DE-07009-01 Specialized caries research centers
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-01 0002 Specialized caries research centers - Studies of the microbial etiology of root surface caries (human, rats)
** P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
** P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
P50DE-07009-01 0006 Specialized caries research centers - Interactions between root surface plaque and fluoride (human)
P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07010-01 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-01 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
** P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis
R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)
R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07257-01 IgA protease and dental caries
** R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)
N01DE-12430-08 Investigation of anticaries vaccine in primates
N01DE-12433-04 Phase contrast evaluation of subgingival plaque
N01DE-12434-06 Identify cariogenic elements of food
** N01DE-42500-02 Microbiological information system
N01DE-42551-00 Develop antigens and adjuvants for carries immunity
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

MICROBIAL PHYSIOLOGY AND GENETICS STUDY SECTION
** R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
** R01DE-04224-10 Studies on the genetics of oral microflora (rats)
** R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-05102-07 Potential anti-caries agents (rats)
** R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
** R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
** R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
** R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
** R01DE-06071-01 Calcium metabolism in Streptococcus mutans
** R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

MICROBIAL POPULATION STUDIES
SEE POPULATION STUDIES MICROORGANISMS

MICROBIAL RESISTANCE TO DRUGS
SEE DRUGS RESISTANCE, MICROBIAL

MICROCIRCULATION
SEE CARDIOVASCULAR SYSTEM, MICROCIRCULATION

MICROCOMPUTER
SEE COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)

MICROELECTRODES
SEE ELECTRODES, MICROELECTRODES*

MICROFILAMENTS
SEE CELL COMPONENTS, MICROFILAMENTS

MICROORGANISMS
SEE ALSO BACTERIA (GENERAL)*
SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO GENETICS, MICROBIAL
SEE ALSO GENETICS, POPULATION GENETICS MICROORGANISMS
SEE ALSO GROWTH MICROORGANISMS
SEE ALSO MICROBIAL ORAL FLORA
SEE ALSO POPULATION STUDIES MICROORGANISMS
** R01DE-05932-04 Role of lipoproteins in microbial calcification

MICROORGANISMS, ANAEROBES
SEE ALSO BACTERIA, NEISSERIACEAE, VEILLONELLA*
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
** P50DE-02600-18 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)

MICROORGANISMS VIRULENCE
SEE ALSO BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL
SEE ALSO DRUGS RESISTANCE, MICROBIAL
** P50DE-02670-18 0033 Institute of dental research - Genetic and biochemical basis for S mutans virulence (rats)
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
P01DE-02847-16 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
P01DE-02847-16 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
** R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
** R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
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MICROPHONE, PROBE TUBE
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

MICRORADIOGRAPHY
SEE RADIOGRAPHY, MICRORADIOGRAPHY*

MICROSOMES
SEE CELL COMPONENTS, MICROSOMES

MICROSPHERE THERAPY
SEE DRUGS, DRUG DELIVERY SYSTEMS

MICROSURGERY AND MICRODISSECTION
SEE SURGERY, MICROSURGERY AND MICRODISSECTION

MICROTUBULES
SEE CELL COMPONENTS, MICROTUBULES (GENERAL)

MIDBRAIN
SEE BRAIN, MESENCEPHALON

MIDCHILDHOOD
SEE CHILDREN, MIDCHILDHOOD (6 TO 12 YRS)

MIDDLE AGE
SEE AGE (HUMAN), ADULT, MIDDLE AGE (45 TO 64 YRS)

MIDDLE EAR DISORDERS
SEE EAR DISORDERS, MIDDLE EAR DISORDERS

MIF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MIGRATION, CELL
SEE CELL MIGRATION

MIGRATION INHIBITORY FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MILK
SEE BODY FLUIDS, MILK

MINERAL BALANCE - METABOLISM
SEE CALCIUM (MINERAL) BALANCE (METABOLISM)

MINERAL METABOLISM DISORDERS
SEE CALCIUM (MINERAL) IMBALANCES

MINERALIZATION ENHANCING DRUGS
SEE CALCIFICATION ENHANCING AGENTS

MINERALIZATION INHIBITORS
SEE CALCIFICATION INHIBITORS

MINERALIZATION OF BONE
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

MINERALS
SEE CHEMICALS (GENERAL), MINERALS (GENERAL)

MINERALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

MINING
SEE OCCUPATIONS, INDUSTRY, MINING

MITOCHONDRIA
SEE CELL COMPONENTS, MITOCHONDRIA

MITOGENIC FACTORS, PLANT
SEE PLANTS PROTEINS, LECTINS

MITOGENS
SEE ALSO PLANTS EXTRACTS, POKEWEED EXTRACTS
SEE ALSO PLANTS PROTEINS, LECTINS
R01DE-06645-02 Genetic regulation of B cell replication and function (mice)
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)

MITOSIS
SEE CELL DIVISION, MITOSIS

MIXED LEUKOCYTE REACTION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

MMIF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MN
SEE METALS, HEAVY METALS, MANGANESE (COMPOUNDS)

MO
SEE METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)

MODELS, BIOLOGICAL
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04226-08 Subperiosteal oral implants (monkeys)
R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R03DE-06798-01 Testing of a model live herpes simplex virus vaccine (mice)
R03DE-06814-01 Transposon mutagenesis of the oral streptococci

MODELS, CHEMICAL
P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
R23DE-05893-03 Structural modulation of enamel pellicle formation
R01DE-05940-03 Chemical stability of low nobility dental alloys
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06569-03 Quantitation of enamel demineralization mechanisms

MODELS, DESIGN AND DEVELOPMENT OF MODELS
** P01DE-01697-22 0035 Craniofacial problems - Non-human primate model of cleft palate (monkeys)
** R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
** P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)

MODELS, DISEASE MODELS
** P01DE-01697-22 0035 Craniofacial problems - Non-human primate model of cleft palate (monkeys)
** P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
** R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R03DE-06298-02 Oral and skin defects in pupoid fetus (pf/pf) mice
** R01DE-06402-02 Root caries--An in vitro model system
R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
** P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07009-01 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)

MODELS, HEALTH CARE MODELS
R01DE-06417-01 Factors influencing long-term oral self-care (human)

MODELS, MATHEMATICAL
SEE ALSO COMPUTER SIMULATION
P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-03953-10 Force systems from orthodontic appliances
R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05423-05 Diffuse reflectance by esthetic dental materials
R01DE-05940-03 Chemical stability of low nobility dental alloys
R01DE-05980-01 Stress analysis of mandibular partial dentures
R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
R03DE-06803-01 Intermicroscopic correlation of remineralization
R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)
** P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)

MODELS, PHANTOM MODELS
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
** R01DE-05844-03 Patient radiation doses and risks from dental x-ray

MODELS, PSYCHOLOGICAL MODELS
R03DE-07042-01 Interdependence in the dentist-patient relationship

MODELS, SOCIAL MODELS
** R03DE-07042-01 Interdependence in the dentist-patient relationship

MODELS, STRUCTURAL MODELS
R01DE-05980-01 Stress analysis of mandibular partial dentures

MODELS OF OR FOR HEALTH CARE SYSTEMS
SEE MODELS, HEALTH CARE MODELS

MODELS OF OR FOR SOCIAL SYSTEMS
SEE MODELS, SOCIAL MODELS

MOLECULAR AND CELLULAR BIOPHYSICS STUDY SECTION
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)

MOLECULAR BIOLOGY (GENERAL)
** R01DE 01912-21 Tooth enamel apatite at the atomic level (human)
P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
** P50DE-02670-18 0019 Institute of dental research - Chemistry and molecular biology of the connective tissue protein, collagen
P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
** R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R01DE-06622-01 Molecular mechanisms of periodontal disease
R13DE-06600-01 Workshop on molecular interactions in oral microbial adherence

MOLECULAR CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION
** P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)

MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)
SEE ALSO MOLECULAR CONDENSATIONS, RESINS
** P50DE-02668-18 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03487-13 Inhibition of human cariogenic streptococci
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
** R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
** R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
** R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
** R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-06170-02 Radiopaque restorative and prosthetic dental resins
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
R03DE-06466-02 Clinical study of composite resin-tooth interface
** R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
R43DE-07022-01 New controlled release antibiotic delivery systems
R43DE-07050-01 Improved dental composite filling materials

MOLECULAR CONDENSATIONS, RESINS
R01DE-02320-19 Clinical behavior of dental restorative materials (human)
** P50DE-02668-18 0191 Regional dental research center - Clinical evaluation of restorative materials and techniques (human)
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
R01DE-05354-07 Prevention of dental caries (rats, human)
** R01DE-06170-02 Radiopaque restorative and prosthetic dental resins
** R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
** R03DE-06466-02 Clinical study of composite resin-tooth interface
R01DE-06720-01 Resistance of various restorative materials
R43DE-07050-01 Improved dental composite filling materials

MOLECULAR STABILITY
SEE CHEMICAL STABILITY

MOLECULAR STRUCTURE
SEE CHEMICAL STRUCTURE

MOLECULAR STRUCTURE-BIOLOGICAL ACTIVITY
SEE CHEMICAL STRUCTURE-BIOLOGICAL ACTIVITY

(cont'd)

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See Appendix for investigator's name and Grant Number

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MOLECULAR WEIGHT
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-05956-04 The adhesive of Mytilus byssus
R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)

MOLECULES, MACROMOLECULES
SEE ALSO MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05180-06 Composition of S mutans in different growth environments
R01DE-05751-05 Salivary gland secretory mechanisms (rats)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
** R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R23DE-05893-03 Structural modulation of enamel pellicle formation
R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
R23DE-06072-03 Interaction of salivary components and S mutans
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)

MOLLUSKS, PELECYPODS*
** R01DE-05956-04 The adhesive of Mytilus byssus

MOLYBDENUM (COMPOUNDS)
SEE METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)

MONILIA ALBICANS
SEE FUNGI, YEASTS, CANDIDA ALBICANS*

MONILIASIS
SEE MYCOSES, MONILIASIS

MONOAMINE OXIDASE
SEE OXIDOREDUCTASES, MONOAMINE OXIDASE

MONOCLONAL ANTIBODIES
SEE IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES

MONOCYTES
SEE BLOOD CELLS, MONOCYTES

MONONUCLEAR PHAGOCYTE SYSTEM
SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)

MONOPHENOL MONOOXYGENASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

MONOPHENOL OXIDASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

MORBIDITY STATISTICS
SEE POPULATION STUDIES HUMAN, MORBIDITY

MORPHINES
SEE ALKALOIDS, MORPHINES

MORPHOGENESIS
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

MORPHOLOGY (GENERAL)
SEE ALSO BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO NEUROANATOMY
** P01DE-01697-22 0038 Craniofacial problems - Anatomy of the posterior pharyngeal wall (human)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

MOSAICISM
SEE TISSUE MOSAICISM

MOTHER-CHILD INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

MOTION IMAGES, SCANNING
SEE RADIOGRAPHY, SCANNING, DSR

MOTIVATION
SEE PSYCHOLOGY, MOTIVATION

MOTOR ACTIVITY
SEE PSYCHOMOTOR FUNCTION

MOTOR IMPULSES
SEE PSYCHOMOTOR FUNCTION

MOTOR NEURONS
SEE NEUROMOTOR SYSTEM, MOTOR NEURONS

MOUTH
SEE ORAL-PHARYNGEAL, MOUTH

MOUTH NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, MOUTH NEOPLASMS

MOUTHWASHES
SEE CONSUMER PRODUCTS, MOUTHWASHES

MOVEMENT PERCEPTION, BODY
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

MPD SYNDROME
SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MRNA
SEE NUCLEIC ACIDS, MRNA

MS-B
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

MUCIN
SEE PROTEOGLYCANS, MUCIN

MUCINASE
SEE CARBOHYDRASES, HYALURONIDASE

MUCOIDS
SEE PROTEOGLYCANS

MUCOPEPTIDES
SEE PEPTIDOGLYCANS

MUCOPOLYSACCHARIDES
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

MUCOPROTEINS
SEE PROTEOGLYCANS

MUCOSA, ESOPHAGEAL
SEE ORAL-PHARYNGEAL, MUCOSA

MUCOSA, ORAL-PHARYNGEAL
SEE ORAL-PHARYNGEAL, MUCOSA

MUCOUS MEMBRANE
SEE MEMBRANE, MUCOUS MEMBRANE

MUCOVISCIDOSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

MULTIPLE DRUG THERAPY
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

MULTIPLE TREATMENT WITH DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

MURAMIC ACID
SEE SUGAR ACIDS, MURAMIC ACID

MURAMIDASE
SEE CARBOHYDRASES, LYSOZYME

MUREIN
SEE PEPTIDOGLYCANS

MUSCARINIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

MUSCARINIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

MUSCLE CELLS, MYOBLASTS
R01DE-05905-03 Neural organization of a complex muscle (swine)
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)

MUSCLE CELLS, SARCOMERES
R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)

MUSCLE CONTRACTION
SEE MUSCLE FUNCTION, MUSCLE CONTRACTION

MUSCLE FUNCTION
P50DE-02668-18 0214 Regional dental research center - Motor control during speech
** R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-04227-10 Adaptations to changes in masticatory muscle length (monkeys)
R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
** R03DE-06813-01 Digastric and lateral pterygoid muscle function
** P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)
P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)
P01DE-06946-01 0016 Pathophysiology of MPD and other facial pain syndromes - Exercise therapy for patients with clicking of the TMJ (human)
** R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)

MUSCLE FUNCTION, ELECTROMYOGRAPHY*
R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)

MUSCLE FUNCTION, MUSCLE CONTRACTION
R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
R01DE-05905-03 Neural organization of a complex muscle (swine)
** R23DE-06618-01 Properties of motor units in human mandibular muscles
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

MUSCLE FUNCTION, MUSCLE RELAXATION
R01DE-04494-07 Control of stress during dental procedures (human)

MUSCLE FUNCTION, MUSCLE TENSION
R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06294-03 Effects of physiological feedback on dental fear (human)
R23DE-06618-01 Properties of motor units in human mandibular muscles

MUSCLE METABOLISM
P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), ACTIN
** R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), MYOSIN
SEE ALSO PHOSPHATASES, ADENOSINE TRIPHOSPHATASE
** R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

MUSCLE RELAXATION
SEE MUSCLE FUNCTION, MUSCLE RELAXATION

MUSCLE TENSION
SEE MUSCLE FUNCTION, MUSCLE TENSION

MUSCLES
SEE ALSO NEUROMOTOR SYSTEM
SEE ALSO SKELETAL SYSTEM, TENDONS
** R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

MUSCLES, EAR MUSCLES, TENSOR TYMPANI
P01DE-01697-22 0035 Craniofacial problems - Non-human primate model of cleft palate (monkeys)

MUSCLES, FACIAL MUSCLES
P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
R01DE-04227-10 Adaptations to changes in masticatory muscle length (monkeys)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-06638-01 Complete denture service psychophysiological criteria
P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)

MUSCLES, GASTROCNEMIUS MUSCLE
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

MUSCLES, MYOFIBRILS
R01DE-05905-03 Neural organization of a complex muscle (swine)
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

MUSCLES, STRIATED MUSCLE
R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)

MUSCULAR DISORDERS
SEE ALSO NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)
R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)

MUSCULAR DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number

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R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
** R03DE-06813-01 Digastric and lateral pterygoid muscle function

MUSCULOSKELETAL SYSTEM (GENERAL)
SEE SKELETAL SYSTEM (GENERAL)

MUTAGEN TESTS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

MUTAGENS
SEE GENETICS, MUTAGENS

MUTANTS
SEE GENETICS, MUTATION, MUTANTS*

MUTATION
SEE GENETICS, MUTATION

MYCOSES, MONILIASIS
** R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat

MYCOTOXINS
SEE TOXICOLOGY, MYCOTOXINS

MYELOBLASTOSIS VIRUS AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

MYELOMA GLOBULINS
SEE GLOBULINS, MYELOMA GLOBULINS

MYELOMA-SPLEEN CELL HYBRIDS
SEE CELL HYBRIDS, HYBRIDOMAS

MYELOPEROXIDASE
SEE PEROXIDASES, MYELOPEROXIDASE

MYELOPROLIFERATIVE DISORDERS (BONE MARROW)
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE

MYELOSIS BONE MARROW
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE

MYOBLASTS
SEE MUSCLE CELLS, MYOBLASTS

MYOFASCIAL PAIN-DYSFUNCTION SYNDROME
SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MYOFIBRILS
SEE MUSCLES, MYOFIBRILS

MYOGRAPHY, ELECTROMYOGRAPHY
SEE MUSCLE FUNCTION, ELECTROMYOGRAPHY*

MYONEURAL JUNCTION
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

MYOSIN
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), MYOSIN

MYRINGOPLASTY
SEE EAR SURGERY, MYRINGOPLASTY

N
SEE NITROGEN

N ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

NA
SEE SODIUM

NAD (H2)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

NADP(H2)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

NAMED GROUP OF PERSONS
SEE AGE (HUMAN), ADULT
SEE CHILDREN
SEE FAMILY
SEE SEX, FEMALE

NAPHTHYLAMINES, PROPRANOLOL
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)

NASAL, NOSE
SEE ALSO NASAL DISORDERS, NOSE DISORDERS
** P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)

NASAL, PARANASAL SINUSES
R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)
R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)

NASAL AIRFLOW MEASUREMENTS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

NASAL DISORDERS, NOSE DISORDERS
** R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)

NASAL DISORDERS, RHINITIS
R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)

NATURAL KILLER CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NATURAL KILLER LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NECK AND HEAD INJURIES
SEE INJURIES, HEAD AND NECK

NECK NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

NECROCYTOSIS
SEE CELL DEATH

NECROSIS
SEE DISEASES, PATHOLOGIC PROCESSES, NECROSIS

NEGROID RACE
SEE SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE

NEONATAL
SEE AGE (ANIMAL), INFANTS NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

NEOPLASMS, CANCER COMPLICATIONS OF
** P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)

NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS
** R01DE-06516-02 Oral infection in myelosuppressed cancer patients

NEOPLASMS, CARCINOMA
SEE ALSO NEOPLASMS OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA
R03DE-06572-01 Isolation of herpes simplex virion attachment protein
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

NEOPLASMS, CARCINOMA EPIDERMOID
P50DE-02731-18 0032 Development support for dental research institute - Epithelial cell basal lamina biosynthesis (rats)
R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

NEOPLASMS, RADIATION INDUCED
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray

NEOPLASMS, VIRUS INDUCED
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL
** R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers

NEOPLASMS DIAGNOSIS
R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer

NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
** R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

NEOPLASMS EPIDEMIOLOGY
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

NEOPLASMS IMMUNODIAGNOSIS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

NEOPLASMS IMMUNOLOGY
SEE ALSO NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06516-02 Oral infection in myelosuppressed cancer patients

NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense

NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA ACUTE
** R01DE-06516-02 Oral infection in myelosuppressed cancer patients

NEOPLASMS OF BLOOD AND RE SYSTEM, LYMPHOMA
R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)

NEOPLASMS OF BODY REGIONS, HEAD AND NECK
SEE ALSO NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)
** R03DE-06799-01 Speech prostheses in orofacial cancer patients

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, MOUTH NEOPLASMS
** R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
** R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
** R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, SALIVARY GLAND NEOPLASMS
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, TONGUE NEOPLASMS
R03DE-06799-01 Speech prostheses in orofacial cancer patients

NEOPLASMS OF REPRODUCTIVE SYSTEM FEMALE, UTERUS NEOPLASMS, CERVIX NEOPLASMS
R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

NEOPLASMS OF RESPIRATORY SYSTEM
** R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer

NEOPLASMS OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA
** R01DE-06516-02 Oral infection in myelosuppressed cancer patients

NEOPLASMS OF SKELETAL SYSTEM, BONE NEOPLASMS
SEE ALSO NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)

NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

NEOPLASMS OF SKIN
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)
R03DE-06572-01 Isolation of herpes simplex virion attachment protein

NEOPLASMS PREVENTION AND CONTROL
SEE ALSO NEOPLASMS DIAGNOSIS
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
** R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

NEOPLASMS RELATED INTEREST, GRANULOMA
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer

NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK
** R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray
** R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer

NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
** P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
R01DE-06516-02 Oral infection in myelosuppressed cancer patients

NEOPLASTIC THERAPY, CANCER RADIOTHERAPY
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)

NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER
R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

NEOPLASTIC TRANSFORMATION
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS
R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS (GENERAL)
R01DE-05395-05 Stem cells in oral mucosa (mice)

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)

NEOSYNEPHRINE
SEE PHENOLIC AMINES, NEOSYNEPHRINE

NERVE CELLS
SEE NERVOUS SYSTEM, NEURONS

NERVE IMPULSE FACILITATION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION

NERVE IMPULSE INHIBITION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION

NERVE IMPULSE INITIATION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION

NERVE REGENERATION
SEE NERVOUS SYSTEM REGENERATION

NERVE TRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NERVE TRANSMITTER SUBSTANCES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NERVOUS DISORDERS (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)
SEE ALSO NEUROLOGIC MANIFESTATIONS
P50DE-02668-18 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

NERVOUS DISORDERS CENTRAL (GENERAL)
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

NERVOUS DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)

NERVOUS DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02668-18 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)

NERVOUS SYSTEM, AFFERENT NERVES
P50DE-02668-18 0200 Regional dental research center - Response of mechanoreceptive afferents to moving tactile stimuli (monkeys, human)
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
** R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06943-01 Central projections of MES V afferents (cats)
R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)

NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)

NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)

NERVOUS SYSTEM, CRANIAL NERVES
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
P01DE-06946-01 0010 Pathophysiology of MPD and other facial pain syndromes - Study of the partial denervated temporomandibular joint (rabbits)

NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE (5)
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
P5GDE-02668-18 0197 Regional dental research center - Peripheral nerves of the orofacial region
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
** P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05574-04 Neural aspects of craniofacial morphogenesis (frogs)
** R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
R23DE-06157-02 Innervation of the tooth (rats)
** R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06943-01 Central projections of MES V afferents (cats)
R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

NERVOUS SYSTEM, CRANIAL NERVES, VAGUS NERVE (10)
R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)

NERVOUS SYSTEM, GANGLIA
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)

NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

NERVOUS SYSTEM, NERVES, INNERVATION (GENERAL)
** R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05905-03 Neural organization of a complex muscle (swine)
** R23DE-06157-02 Innervation of the tooth (rats)
** R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)

NERVOUS SYSTEM, NEURONS
SEE ALSO NEUROMOTOR SYSTEM, MOTOR NEURONS
** P50DE-02668-18 0199 Regional dental research center - Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri
** P50DE-02668-18 0200 Regional dental research center - Response of mechanoreceptive afferents to moving tactile stimuli (monkeys, human)
** P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NERVOUS SYSTEM, NEURONS, AXONS
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)

NERVOUS SYSTEM, NEURONS, DENDRITES
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)

NERVOUS SYSTEM, NEURONS, NEURONAL TRANSPORT
SEE ALSO CELL COMPONENTS, MICROTUBULES (GENERAL)
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)

NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)
** P50DE-02668-18 0197 Regional dental research center - Peripheral nerves of the orofacial region
R01DE-05905-03 Neural organization of a complex muscle (swine)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

NERVOUS SYSTEM AUTONOMIC
R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02668-18 0197 Regional dental research center - Peripheral nerves of the orofacial region
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
** R03DE-06429-01 Autonomic receptor localization in salivary glands (rats)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)

NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, VAGUS NERVE (10)
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
P50DE-02668-18 0197 Regional dental research center - Peripheral nerves of the orofacial region

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Unranked significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA
R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)

NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
P50DE-02668-18 0197 Regional dental research center - Peripheral nerves of the orofacial region
R01DE-05369-06 Factors affecting dental postoperative pain (human)
R23DE-06157-02 Innervation of the tooth (rats)
** R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

NERVOUS SYSTEM CENTRAL
SEE ALSO NERVOUS DISORDERS CENTRAL (GENERAL)
P50DE-02668-18 0199 Regional dental research center - Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri
P50DE-02668-18 0200 Regional dental research center - Response of mechanoreceptive afferents to moving tactile stimuli (monkeys, human)
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)
** R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)
R01DE-06943-01 Central projections of MES V afferents (cats)
** R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)

NERVOUS SYSTEM CENTRAL, MENINGES, DURA MATER
R23DE-06909-02 Experimentally induced premature craniosynostosis (rabbits)

NERVOUS SYSTEM CENTRAL, SPINAL CORD, DORSAL ROOT
R23DE-06157-02 Innervation of the tooth (rats)

NERVOUS SYSTEM DEVELOPMENT
SEE NEUROLOGY, DEVELOPMENTAL

NERVOUS SYSTEM DISORDERS
SEE NERVOUS DISORDERS (GENERAL)

NERVOUS SYSTEM REGENERATION
R01DE-05905-03 Neural organization of a complex muscle (swine)

NETWORKS, SOCIAL
SEE SOCIAL SUPPORT NETWORKS

NEURAL CONTROL (MECHANISMS)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL ENCODING (MECHANISMS)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL PROCESSING AND CONTROL
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL TRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NEURAL TRANSMITTERS, BIOGENIC AMINES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEURAL TUBE AND PLATE DEFECTS
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)

NEURAMINIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

NEUROANATOMY
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
** R01DE-06682-02 CNS modulation of orofacial input (rats, cats)
** R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
** R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)
R01DE-06943-01 Central projections of MES V afferents (cats)

NEUROCHEMISTRY
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)

NEUROGENESIS
SEE NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS

NEUROHUMORS (GENERAL)
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROJUICE
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROLOGIC CORRELATES OF BEHAVIOR
SEE NEUROPSYCHOLOGY (GENERAL)*

NEUROLOGIC EXAMINATIONS
SEE NERVOUS DISORDERS DIAGNOSIS (INCL EXAMS)*

NEUROLOGIC MANIFESTATIONS
SEE ALSO SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS
P50DE-02668-18 0199 Regional dental research center - Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri
P50DE-02668-18 0200 Regional dental research center - Response of mechanoreceptive afferents to moving tactile stimuli (monkeys, human)

NEUROLOGICAL DISEASES
SEE NERVOUS DISORDERS (GENERAL)

NEUROLOGICAL SCIENCES STUDY SECTION
** R01DE-05369-06 Factors affecting dental postoperative pain (human)

NEUROLOGY, DEVELOPMENTAL
SEE ALSO CHILD MENTAL DEVELOPMENT
SEE ALSO CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)
** R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)

NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS
SEE ALSO NERVOUS SYSTEM REGENERATION
** R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

NEUROLOGY B STUDY SECTION
** R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)
** R01DE-06682-02 CNS modulation of orofacial input (rats, cats)
** R01DE-06943-01 Central projections of MES V afferents (cats)

NEUROMODULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)
R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)

NEUROMOTOR DISORDERS, SPASM
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)

NEUROMOTOR DISORDERS, TREMOR
** R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)

NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)

NEUROMOTOR EXAMINATIONS
SEE NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*

NEUROMOTOR SYSTEM
SEE ALSO PSYCHOMOTOR FUNCTION
** R23DE-06618-01 Properties of motor units in human mandibular muscles

NEUROMOTOR SYSTEM, MOTOR NEURONS
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)
R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)

NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)
** P50DE-02668-18 0214 Regional dental research center - Motor control during speech
** P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
** R01DE-05905-03 Neural organization of a complex muscle (swine)
** R23DE-06618-01 Properties of motor units in human mandibular muscles

NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)

NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)
P50DE-02668-18 0199 Regional dental research center - Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri
** R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
** R23DE-06554-02 Organization of cortical tooth representations (monkeys)

NEUROMUSCULAR ASPECTS
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

NEUROMUSCULAR DISORDERS
SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)

NEUROMUSCULAR JUNCTION
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

NEUROMUSCULAR SYSTEM
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

NEURONAL TRANSPORT
SEE NERVOUS SYSTEM, NEURONS, NEURONAL TRANSPORT

NEURONS
SEE NERVOUS SYSTEM, NEURONS

NEUROPATHOLOGY
SEE NERVOUS DISORDERS (GENERAL)

NEUROPEPTIDES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

NEUROPHARMACOLOGICAL AGENTS, ANALGESICS
** R01DE-05369-06 Factors affecting dental postoperative pain (human)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R03DE-06692-02 Neurohumoral responses to pain and anxiety
** R03DE-07012-01 Therapeutic regimens for dental surgery

NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
** R03DE-06272-01 Oxygen and sodium valproate induced craniofacial defects (mice)
R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO CHOLINE, ACETYLCHOLINE
SEE ALSO IMIDAZOLES, HISTAMINE
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
SEE ALSO BENZOPYRROLES, SEROTONIN
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

(contd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC ALPHA
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC BETA
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

NEUROPHARMACOLOGY
P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
** R01DE-06682-02 CNS modulation of orofacial input (rats, cats)

NEUROPHYSIOLOGY (GENERAL)
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO ELECTROPHYSIOLOGY
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
** P50DE-02668-18 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
R23DE-06554-02 Organization of cortical tooth representations (monkeys)
R01DE-06943-01 Central projections of NES V afferents (cats)

NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION
P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION
P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION
P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

NEUROPHYSIOLOGY, NEURAL TRANSMISSION
SEE ALSO ELECTROPOTENTIALS, EVOKED POTENTIALS
P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
** R01DE-05895-03 Tooth sensation (human)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

NEUROPHYSIOLOGY, NEURAL TRANSMISSION, ANTIDROMIC IMPULSES
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)

NEUROPHYSIOLOGY, NEUROPLASTICITY
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)

NEUROPHYSIOLOGY, REFLEX
** R01DE-04166-15 Oral pharyngeal reflexes (cats, human)

NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES
** P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NEUROPLASTICITY
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

NEUROPSYCHOLOGY (GENERAL)*
P50DE-02668-18 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NEUROREGULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROSIS
SEE PSYCHOLOGY ABNORMAL, NEUROSIS

NEUROSURGERY, DENERVATION (GENERAL)
** P01DE-06946-01 0010 Pathophysiology of MPD and other facial pain syndromes - Study of the partial denervated temporomandibular joint (rabbits)

NEUROSURGERY, SYMPATHECTOMY
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)

NEUROTENSIN
SEE PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN

NEUROTOXINS
** R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

NEUROTRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)
SEE ALSO AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID
SEE ALSO BENZOPYRROLES, SEROTONIN
SEE ALSO CHOLINE, ACETYLCHOLINE
SEE ALSO DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID
SEE ALSO IMIDAZOLES, HISTAMINE
SEE ALSO NERVOUS SYSTEM, NEURONS, NEURONAL TRANSPORT
SEE ALSO PEPTIDES, ENKEPHALIN
SEE ALSO PEPTIDES, SUBSTANCE P
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)

NEUROTRANSMITTERS RECEPTORS
** R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
R01DE J2110-20 Salivary gland structure and function (mice, rats)
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, ALPHA RECEPTORS
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS
R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, DOPAMINERGIC RECEPTORS
R01DE-02110-20 Salivary gland structure and function (mice, rats)

NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
** R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)

NEUTROPHIL CHEMOTACTIC FACTOR (NIF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

NEUTROPHIL LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

NEWBORN INFANT ANIMALS
SEE AGE (ANIMAL), INFANTS NEWBORN

NI
SEE METALS, HEAVY METALS, NICKEL (COMPOUNDS)

NICKEL (COMPOUNDS)
SEE METALS, HEAVY METALS, NICKEL (COMPOUNDS)

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

NICOTINAMIDE ADENINE DINUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

NICOTINE
SEE PYRIDINES, NICOTINE

NICOTINIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

NITROGEN
R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)

NITROUS OXIDE
R01DE-05913-03 Experiments in management of fearful children (human)
** R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

NK-CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NON-INVASIVE DIAGNOSIS (DIAGNOSTIC TECHNIQUES)
SEE DIAGNOSTIC TESTS, NON-INVASIVE*

NON-MAMMALIAN EMBRYOLOGY
SEE EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY

NONVERBAL (PARALINGUISTIC) BEHAVIOR, COMMUNICATION
SEE INFORMATION-COMMUNICATION BEHAVIOR, PARALINGUISTIC BEHAVIOR

NORADRENALINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NOREPINEPHRINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NORMORPHINE
SEE ALKALOIDS, MORPHINES

NOSE
SEE NASAL, NOSE

NOSE DISORDERS
SEE NASAL DISORDERS, NOSE DISORDERS

NUCLEASES, ENDONUCLEASES (GENERAL)
R03DE-06814-01 Transposon mutagenesis of the oral streptococci
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

NUCLEIC ACID-AMINO ACID COMPLEXES (PEPTIDE SYNTHESIS)
SEE AMINO ACYL TRNA

NUCLEIC ACID STRUCTURE
SEE NUCLEIC ACIDS STRUCTURE

NUCLEIC ACIDS, COMPLEMENTARY DNA
P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)

NUCLEIC ACIDS, DNA
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci
R01DF-02774-16 Tissue interaction in palatal shelf closure (mice)
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-05395-05 Stem cells in oral mucosa (mice)
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R23DE-06040-03 Polyamines and palatal development (rabbits)

NUCLEIC ACIDS, DNA BACTERIAL
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)
R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

(contd)

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NUCLEIC ACIDS, DNA PROBE
R01DE-07126-01 Molecular taxonomy of non-hemolytic streptococci

NUCLEIC ACIDS, DNA VIRAL
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEIC ACIDS, RNA
SEE ALSO NUCLEIC ACIDS SYNTHESIS, RNA
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R23DE-06040-03 Polyamines and palatal development (rabbits)

NUCLEIC ACIDS, MRNA
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
P50DE-02600-18 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02670-18 0033 Institute of dental research - Genetic and biochemical basis for S mutans virulence (rats)
P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
R01DE-06624-02 OAF synthesis in periodontal disease (human)
R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

NUCLEIC ACIDS, RNA VIRAL
R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers

NUCLEIC ACIDS CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

NUCLEIC ACIDS METABOLISM
SEE ALSO NUCLEIC ACIDS REPAIR
SEE ALSO NUCLEIC ACIDS SYNTHESIS
SEE ALSO NUCLEOTIDES METABOLISM
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)

NUCLEIC ACIDS REPAIR
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
R01DE-06622-01 Molecular mechanisms of periodontal disease

NUCLEIC ACIDS REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS

NUCLEIC ACIDS STRUCTURE
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)

NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE
R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
P50DE-07003-01 0004 Rochester caries research center - Genetics of Streptococcus mutans

NUCLEIC ACIDS SYNTHESIS
SEE ALSO VIRUS DEVELOPMENT, REPLICATION
R23DE-06040-03 Polyamines and palatal development (rabbits)

NUCLEIC ACIDS SYNTHESIS, DNA
SEE ALSO GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO NUCLEIC ACIDS REPAIR
SEE ALSO NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES
** R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)

NUCLEIC ACIDS SYNTHESIS, RNA
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
R23DE-06174-01 Insulin and protein synthesis in the rat gland

NUCLEOBASES
SEE ALSO FLAVINS
SEE ALSO IMIDAZOLES
R01DE-05144-05 Periodontal disease--Role of sprochetes (rabbits)

NUCLEOPHILIC SUBSTITUTION
SEE CHEMICAL REACTIONS, SUBSTITUTION, NUCLEOPHILIC

NUCLEOPROTEINS
R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts

NUCLEOSIDE MONOPHOSPHATES CYCLIC
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

NUCLEOSIDE PHOSPHATES ANALOGS
SEE NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS

NUCLEOSIDE TRIPHOSPHATE DNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

NUCLEOSIDE TRIPHOSPHATE RNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

NUCLEOSIDE TRIPHOSPHATES
SEE NUCLEOTIDES, NUCLEOSIDE TRIPHOSPHATES

NUCLEOSIDES ANALOGS, ACYCLOVIR
R03DE-06798-01 Testing of a model live herpes simplex virus vaccine (mice)

NUCLEOSIDES (TIDES) SEQUENCE
SEE NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE

NUCLEOTIDES, DEOXYRIBONUCLEOSIDE TRIPHOSPHATES
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDES, DINUCLEOTIDES
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC
SEE ALSO PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC
SEE ALSO PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06397-02 Biochemical aspects of orofacial development
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)
** R23DE-07107-01 Cyclic nucleotides and prostagiandins in cleft palate (mice)

NUCLEOTIDES, NUCLEOSIDE TRIPHOSPHATES
R03DE-06575-02 Herpes simplex virus DNA polymerase and drug resistance

NUCLEOTIDES, RIBONUCLEOTIDES
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDES METABOLISM
** R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES
R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent
** R03DE-06575-02 Herpes simplex virus DNA polymerase and drug resistance

NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES
R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts

NULL(NUL) LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NURSING HOMES
SEE HEALTH CARE FACILITIES, NURSING HOMES

NURSING PROGRAM MODELS
SEE MODELS, HEALTH CARE MODELS

NUTRIENT INTAKE DISORDERS, BULIMIA
** R03DE-07024-01 Oral signs and symptoms in bulimic patients

NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
N01DE-12434-06 Identify cariogenic elements of food

NUTRITION (GENERAL)
SEE ALSO FOOD
SEE ALSO GROWTH MEDIA
** P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development

NUTRITION, DEVELOPMENTAL NUTRITION
SEE ALSO NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)

NUTRITION, DIET
R01DE-02342-13 Normal and altered oral mucosa (rats)
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
R23DE-06040-03 Polyamines and palatal development (rabbits)

NUTRITION, DIET, FASTING
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat

NUTRITION, DIET PATHOGENIC
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)

NUTRITION, DIET THERAPEUTIC
SEE ALSO NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS
R03DE-07024-01 Oral signs and symptoms in bulimic patients

NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)
R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

NUTRITION, DIETARY CONSTITUENTS (GENERAL)
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS
** P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)
** R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)
R01DE-06953-01 Hydroxyproline levels in periodontal health and disease (dogs)
N01DE-12434-06 Identify cariogenic elements of food
N01DE-22439-04 Cost of combined sealant and self-applied fluoride program
N01DE-32445-02 National caries program

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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NUTRITION, DIETARY CONSTITUENTS, CALORIC CONTENT
SEE ALSO FOOD, SWEETENING AGENTS
R01DE-05999-02 The role of nutrition in oral health (rats)

NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
R23DE-06033-03 Osteoporosis and oral changes in older women
N01DE-12434-06 Identify cariogenic elements of food

NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
N01DE-12434-06 Identify cariogenic elements of food
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
N01DE-12434-06 Identify cariogenic elements of food

NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS
** R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
N01DE-12434-06 Identify cariogenic elements of food

NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)

NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS
** R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-05999-02 The role of nutrition in oral health (rats)
N01DE-12434-06 Identify cariogenic elements of food

NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS
N01DE-12434-06 Identify cariogenic elements of food

NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS
SEE ALSO METALS, HEAVY METALS, CADMIUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, COBALT (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, COPPER (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, MANGANESE (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, ZINC (COMPOUNDS)
SEE ALSO METALS, METALLOIDS, SELENIUM (COMPOUNDS)
P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat
** P01DE-01850-21 0071 Nutritional sources and metabolic roles of fluoride - Fluoride content of infant, toddler and adult foods (human)
** P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
** R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06569-03 Quantitation of enamel demineralization mechanisms

NUTRITION, DIETETICS
SEE ALSO NUTRITIONAL REQUIREMENTS
N01DE-12434-06 Identify cariogenic elements of food

NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)

NUTRITION STUDY SECTION
** R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
** R01DE-05999-02 The role of nutrition in oral health (rats)

NUTRITION THERAPY (CANCER AND PRENEOPLASTIC CONDITIONS)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

NUTRITION THERAPY (NUTRITIONAL DISORDERS)
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

NUTRITIONAL ABNORMALITIES
** P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)

NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS
** P50DE-02668-18 0068 Regional dental research center - Hypervitaminosis D in lactation (rats)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)
SEE ALSO NUTRITION, DIET PATHOGENIC
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** R01DE-05999-02 The role of nutrition in oral health (rats)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)

NUTRITIONAL ABNORMALITIES, PROTEIN DEFICIENCY
** R01DE-05999-02 The role of nutrition in oral health (rats)

NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO NUTRITION, DIET THERAPEUTIC
SEE ALSO NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

NUTRITIONAL REQUIREMENTS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS
P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)

NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
N01DE-12434-06 Identify cariogenic elements of food

NUTRITIONAL THERAPY (CANCER AND PRENEOPLASTIC CONDITIONS)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

NUTRITIONAL THERAPY (NUTRITIONAL DISORDERS)
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

NYSTATIN
SEE ANTIBIOTICS, NYSTATIN

O

SEE RESPIRATORY GASES, OXYGEN

OAF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR

OAT CELL CARCINOMA
SEE NEOPLASMS OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA

OCCUPATIONAL DISEASES
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES

OCCUPATIONAL HAZARDS
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES
SEE ALSO OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

OCCUPATIONAL PSYCHOLOGY
SEE PSYCHOLOGY, OCCUPATIONAL

OCCUPATIONS, INDUSTRY, MINING
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

OCCUPATIONS, JOB PERFORMANCE
SEE ALSO HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
** R23DE-06522-02 Schooling and work setting--Effects on dental hygienists

OCCUPATIONS, JOB SATISFACTION
** R23DE-06522-02 Schooling and work setting--Effects on dental hygienists

OCTANOIC ACID
SEE FATTY ACIDS, CAPRYLIC ACID

ODONTOBLASTS
SEE DENTAL STRUCTURE, ODONTOBLASTS

OFFSPRING-MOTHER INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

OINTMENTS
SEE DOSAGE FORMS

OLD AGE
SEE AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)

OLIGOSACCHARIDES
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R23DE-06945-02 Identification of microbial lectins (rabbits)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

ONTOGENY
SEE GROWTH AND DEVELOPMENT
SEE PREGNANCY, EMBRYO-FETUS

OPIATE-LIKE PEPTIDES
SEE PEPTIDES, ENKEPHALIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

OPSONINS
SEE IMMUNOLOGY, ANTIBODIES, OPSONINS

OPTICAL DENSITY
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

OPTICAL POLARIZATION*
** P50DE-02731-18 0037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries

OPTICS, BIREFRINGENCE*
P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

OPTICS, IMAGE ENHANCEMENT*
P01DE-06946-C1 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint
R03DE-06969-01 Real time high resolution dental microradiography

OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
R01DE-03703-08 Integrated three-dimensional craniofacial measurement (human)
** R01DE-06379-02 Dental xeroradiography--Clinical investigation
R03DE-06803-01 Intermicroscopic correlation of remineralization
R03DE-06969-01 Real time high resolution dental microradiography

OPTICS, LIGHT EMISSION, LUMINESCENCE*
** P50DE-02731-18 0037 Development support for dental research institute - Luminescence and polarized light in the diagnosis and treatment of caries

OPTICS, LIGHT SCATTERING*
R01DE-05423-05 Diffuse reflectance by esthetic dental materials

OPTICS, MICROSCOPY, ELECTRON*
** R03DE-06681-02 Electron microprobe study of bone resorption (rats)

OPTICS, MICROSCOPY, PHASE*
** N01DE-12433-04 Phase contrast evaluation of subgingival plaque

OPTICS, MICROSCOPY, X-RAY*
** P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

OPTICS, REFRACTOMETRY NON-OCULAR*
SEE ALSO OPTICS, BIREFRINGENCE*
R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)

ORAL AIRFLOW MEASUREMENT
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

ORAL BEHAVIOR
SEE DENTISTRY, BRUXISM

ORAL BIOLOGY AND MEDICINE STUDY SECTION
** R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
** R01DE-02320-19 Clinical behavior of dental restorative materials (human)
** R01DE-02342-13 Normal and altered oral mucosa (rats) (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** R01DE-02575-19 Ultrastructural histopathology of human dental enamel
** R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
** R01DE-02936-16 Relationship of microstructure to behavior of amalgam
** R01DE-03187-13 Transport in enamel and solubility of enamel (human)
** R01DE-03223-14 Kinetics of mineralization of teeth (human)
** R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03429-12 Immune phenomena in experimental periodontal disease (rats)
** R01DE-03488-13 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-03601-11 Effect of corrosion on dental amalgams
** R01DE-03703-08 Integrated three-dimensional craniofacial measurement (human)
** R01DE-03739-12 Glycosyltransferases from oral bacteria
** R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
** R01DE-03758-10 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
** R01DE-03953-10 Force systems from orthodontic appliances
** R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
** R01DE-04136-10 Maxillofacial materials--Color study (human)
** R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
** R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04226-08 Subperiosteal oral implants (monkeys)
** R01DE-04227-10 Adaptations to changes in masticatory muscle length (monkeys)
** R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04278-09 Human saliva-streptococcal metabolic interactions
** R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
** R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04345-09 Cell biology of osteoclasts (chickens)
** R01DE-04385-09 Mechanism of dental caries (human)
** R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04516-06 Corrosion and clinical behavior of dental amalgam
** R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-04529-08 Replacement therapy of dental caries (rats)
** R01DE-04531-07 Strain in the facial bones (monkeys)
** R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
** R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
** R01DE-04705-05 Reactions of titanium fluoride with hydroxyapatite
** R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
** R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
** R01DE-04749-05 F-releasing and acid barrier-polymer caries therapies
** R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
** R01DE-04814-05 Clinical evaluation of PMF permanent soft denture liners
** R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-04890-06 Systematic plaque control - healing following periodontal surgery (human)
** R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-04903-06 Trace metal uptake in cariogenic Streptococcus mutans
** R01DE-04942-06 Teeth and trigeminal pathways (cats, primates)
** R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
** R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-05024-06 Craniofacial abnormalities in mice with vitamin D resistant rickets
** R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin
** R01DE-05054-06 Periodontal disease--Microbiological studies (human)
** R01DE-05067-06 Interaction of topical fluoride with human enamel (hamsters)
** R01DE-05092-06 Proteins involved in dentinogenesis
** R01DE-05129-07 Improvement of preventive and restorative materials (human)
** R01DE-05159-06 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05180-06 Composition of S mutans in different growth environments
** R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
** R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
** R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
** R01DE-05251-05 Salivary gland secretory mechanisms (rats)
** R01DE-05253-05 Measurements of enamel permeability as related to caries (human)
** R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
** R01DE-05262-05 Mineralization in oral biology (mice, rats)
** R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
** R01DE-05321-05 Titanium alloys in dentistry
** R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05354-07 Prevention of dental caries (rats, human)
** R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
** R01DE-05395-05 Stem cells in oral mucosa (mice)
** R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
** R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
** R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
** R01DE-05423-05 Diffuse reflectance by esthetic dental materials
** R01DE-05429-06 Adherence of periodontal disease-associated bacteria
** R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
** R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
** R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
** R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
** R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
** R01DE-05574-04 Neural aspects of craniofacial morphogenesis (frogs)
** R01DE-05586-04 Cell surface studies of the enamel organ (mice)
** R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
** R01DE-05623-03 Bacterial products and bone metabolism (rats)
** R01DE-05626-04 Role of complement in periodontal disease
** R01DE-05632-04 Development of salivary gland secretory function (rats)
** R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)
** R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
** R01DE-05669-04 Chorion type and dental morphology in twins (human)
** R01DE-05695-03 Immunopathologic study of dental pulpitis
** R01DE-05738-04 Mastication, food transport, and swallowing in primates (cats, monkeys)
** R01DE-05739-03 Fluoride redistribution during in vitro caries formation (human)
** R01DE-05761-05 Improved dental instruments and materials
** R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
** R01DE-05780-03 Development and mineralization of enamel in teeth
** R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
** R23DE-05827-03 Modifying effects of saliva and age on taste perception
** R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
** R23DE-05893-03 Structural modulation of enamel pellicle formation
** R01DE-05895-03 Tooth sensation (human)
** R01DE-05905-03 Neural organization of a complex muscle (swine)
** R01DE-05916-03 Streptococcal cell surface polymers and adherence (rabbits)
** R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)
** R01DE-05932-04 Role of lipoproteins in microbial calcification
** R01DE-05940-03 Chemical stability of low nobility dental alloys
** R01DE-05945-03 Physicochemical modifications of dental restoratives
** R01DE-05952-03 Comparison of clinical evaluation methods for amalgam (human)
** R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
** R23DE-05969-03 Effect of single and multiple applications of fluoride (human)
** R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
** R01DE-05980-01 Stress analysis of mandibular partial dentures
** R01DE-05990-01 Periodontitis leukocyte function and diabetic status (human)
** R01DE-05991-04 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
** R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
** R23DE-06014-03 Bacteria and lymphocyte suppression in periodontitis (mice, rabbits)
** R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06030-03 Metronidazole therapy in periodontal disease (human)
** R23DE-06033-03 Osteoporosis and oral changes in older women
** R01DE-06039-02 Properties of lipoteichoic acids from cariogenic bacteria
** R23DE-06040-03 Polyamines and palatal development (rabbits)
** R01DE-06043-03 Congenitally missing teeth (human)
** R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)
** R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)
** R23DE-06068-03 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human)
** R23DE-06072-03 Interaction of salivary components and S mutans
** R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
** R01DE-06082-02 Genetic analysis of streptococcus mutans cariogenicity
** R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
** R01DE-06103-02 Evaluation of four modalities of periodontal therapy
** R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
** R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
** R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
** R01DE-06127-02 Acid-base physiology of oral streptococci
** R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
** R01DE-06137-02 Mechanical properties of gingiva to resist probing (dogs)
** R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
** R23DE-06157-02 Innervation of the tooth (rats)
** R01DE-06160-02 Maternal transmission of streptococcus mutans (human)
** R01DE-06165-02 Cell biology of periodontal ligamem fibroblast
** R01DE-06170-02 Radiopaque restorative and prosthetic dental resins
** R23DE-06174-01 Insulin and protein synthesis in the rat gland
** R01DE-06175-02 Beta-lactamases produced by periodontal bacteria
** R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
** R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)

(contd)

*Excludes review methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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** R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
** R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
** R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-06231-02 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06250-02 Histologic evaluation of new attachments in humans
** R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
** R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
** R01DE-06379-02 Dental xeroradiography--Clinical investigaiton
** R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R01DE-06397-02 Biochemical aspects of orofacial development
** R01DE-06402-02 Root caries--An in vitro model system
** R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)
** R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
** R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)
** R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06426-02 Intra-oral telemetry of plaque pH and calcium (human)
** R01DE-06427-03 Permeability characteristics of dentin (dogs, human)
** R01DE-06429-03 Influence of acid-base status on fluoride metabolism (mammals)
** R23DE-06436-03 Periodontosis--Characterization of the neutrophil defect (human)
** R01DE-06485-02 Cemental annulation--Aging in forensic dentistry (human)
** R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
** R01DE-06516-02 Oral infection in myelosuppressed cancer patients
** R23DE-06522-02 Schooling and work setting--Effects on dental hygienists
** R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06528-02 Trigeminal primary afferent organization and development (rats)
** R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
** R01DE-06541-02 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
** R23DE-06554-02 Organization of cortical tooth representations (monkeys)
** R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
** R01DE-06556-02 Oral epithelium structural proteins (rabbits)
** R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)
** R01DE-06563-02 Microstructure vs. deterioration of amalgam restorations
** R01DE-06564-03 Remineralization of enamel caries in vitro (human)
** R01DE-06569-03 Quantitation of enamel demineralization mechanisms
** R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R23DE-06618-01 Properties of motor units in human mandibular muscles
** R01DE-06622-01 Molecular mechanisms of periodontal disease
** R01DE-06624-02 OAF synthesis in periodontal disease (human)
** R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06638-01 Complete denture service psychophysiological criteria
** R23DE-06640-02 Neutrophil defects induced by oral bacterial products
** R01DE-06643-02 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R01DE-06644-02 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06656-02 Promoting adherence to a dental regimen
** R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R01DE-06672-02 Optimization of metal-ceramic restoration design
** R23DE-06683-03 Selective microbial ecology of periodontosis siblings (human)
** R01DE-06720-01 Resistance of various restorative materials
** R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)
** R01DE-06738-01 Fluoride effect on human tooth root caries (rats)
** R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
** R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06761-01 Prevention of surface zone limited caries of enamel
** R01DE-06762-01 Development of an advanced artificial oral environment
** R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
** R01DE-05765-01 Ion transport through the maturation stage enamel organ (cows, rats)
** R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
** R43DE-06788-01 Phase I laser velocimetry for periodontal disease (dogs)
** R23DE-06829-02 Acid-etching and remineralization of enamel caries in vitro
** R23DE-06832-01 Experimental diabetes and periodontitis (monkeys)
** R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)
** R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)
** R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)
** R01DE-06860-01 Complement monocyte interactions in periodontal disease
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
** R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)
** R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)
** R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)
** R23DE-06896-01 Nonenzymatic reactions in human dentin proteins
** R23DE-06909-02 Experimentally induced premature craniosynostosis (rabbits)
** R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
** R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
** R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)
** R43DE-06932-01 Periodontal temperature probe
** R23DE-06945-02 Identification of microbial lectins (rabbits)
** R01DE-06951-01 Study of F actions on human root surface caries
** R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)
** R01DE-06953-01 Hydroxyproline levels in periodontal health and disease (dogs)
** R01DE-06955-01 Epidermal growth factor and tooth development (mice)
** R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)
** R01DE-06962-01 Surface protein antigens of cariogenic streptococci
** R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)
** R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
** R23DE-06982-01 Biomechanical influences on condylar cartilage growth (rats)
** R01DE-06994-01 Palladium containing dental amalgam
** R01DE-07008-02 Herpes virus antibodies in patients with oral cancer
** R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R43DE-07022-01 New controlled release antibiotic delivery systems
** R43DE-07050-01 Improved dental composite filling materials
** R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)
** R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)
** R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)
** R01DE-07133-01 Peripheral and central mechanisms of dental pain (monkeys, rats)
** R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)
** R01DE-07257-01 IgA protease and dental caries

ORAL-FACIAL-CRANIAL ANOMALIES

SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

ORAL DISORDERS DIAGNOSIS

SEE ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

ORAL-FACIAL PAIN

SEE ALSO DENTAL PAIN
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

R01DE-04358-08 Treatment of temporomandibular joint pain
** R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
AA P01DE-05130-05 Dental/orofacial pain--Mechanisms behavior and modulation
P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and olfactual pain in man
** R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)
** R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)
AA P01DE-06946-01 Pathophysiology of MPD and other facial pain syndromes
P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)
P01DE-06946-01 0003 Pathophysiology of MPD and other facial pain syndromes - Sensory discrimination analysis (human)
P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)
P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)
** P01DE-06946-01 0013 Pathophysiology of MPD and other facial pain syndromes - Beta-endorphin levels in MPD syndrome patients (human)
** P01DE-06946-01 0018 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-01 0020 Pathophysiology of MPD and other facial pain syndromes - Long-term follow-up survey (human)

ORAL-FACIAL RESTORATION

SEE ALSO ORAL SURGERY

P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
** R01DE-02862-17 Growth and development of the human head
AA P01DE-03568-10 Craniofacial anomalies--Etiology and treatment
R01DE-04226-08 Subperiosteal oral implants (monkeys)
** R01DE-05215-06 Influences on stability following orthognathic surgerys (human)
** R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
** R01DE-05396-04 Craniofacial adaptations after total maxilla osteotomy (monkeys)
** R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)
** R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
** P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** R01DE-06570-03 Psychosocial evaluation of craniofacial patients
R03DE-06690-01 Long-term follow-up of craniofacial injuries
** R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** P01DE-06946-01 0018 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

AA Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number

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R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)

ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
SEE ALSO DENTAL PROSTHESIS
** P01DE-01697-22 0037 Craniofacial problems - Effects of oronasal fistulae on speech (human)
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)
** P01DE-01697-22 0041 Craniofacial problems - Effect of palate repair on eustachian tube function (human)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)

ORAL-FACIAL RESTORATION, PROSTHODONTICS
SEE ALSO DENTAL PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)
R03DE-06799-01 Speech prostheses in orofacial cancer patients

ORAL-FACIAL RESTORATION MATERIALS
** R01DE-04136-10 Maxillofacial materials--Color study (human)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

ORAL FLORA
SEE MICROBIAL ORAL FLORA

ORAL HEALTH
SEE DENTAL HEALTH (ORAL HEALTH)

ORAL MICROBES
SEE MICROBIAL ORAL FLORA

ORAL-PHARYNGEAL (REGION)
SEE ALSO DENTAL STRUCTURE
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
** P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
** R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
** R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)

ORAL-PHARYNGEAL, JAW
SEE ALSO DENTAL STRUCTURE
R01DE-02862-17 Growth and development of the human head
** R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
R01DE-05008-06 Genetic basis of drug-induced cleft palate (mice, rats)
** R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
** R03DE-06817-01 Maxillary expansion using laser specklegrammetry (human)
** R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)

ORAL-PHARYNGEAL, JAW, MANDIBLE
P50DE-02668-18 0214 Regional dental research center - Motor control during speech
** P01DE-03568-10 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
** R01DE-05980-01 Stress analysis of mandibular partial dentures
R23DE-06033-03 Osteoporosis and oral changes in older women
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
** R23DE-06618-01 Properties of motor units in human mandibular muscles
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R03DE-06819-01 TMJ clicking related to orthodontic therapy
** R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** R03DE-06907-01 Osteogenic potential of DBP and hydroxylapatite in dogs
P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of bite plate designs--Treatment of MPD syndrome (human)

ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE
P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)
** P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-01 0017 Pathophysiology of MPD and other facial pain syndromes - Manipulation therapy for patients with internal derangement of the TMJ (human)
P01DE-06946-01 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint
** R23DE-06982-01 Biomechanical influences on condylar cartilage growth (rats)

ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
** R01DE-02862-17 Growth and development of the human head
** P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
** R01DE-04358-08 Treatment of temporomandibular joint pain
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
** R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R03DE-06813-01 Digastric and lateral pterygoid muscle function
** R03DE-06819-01 TMJ clicking related to orthodontic therapy
** R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)
** R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)
M P01DE-06946-01 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)
** P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)
** P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
** P01DE-06946-01 0010 Pathophysiology of MPD and other facial pain syndromes - Study of the partial denervated temporomandibular joint (rabbits)
** P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Exercise therapy for patients with clicking of the TMJ (human)
** P01DE-06946-01 0017 Pathophysiology of MPD and other facial pain syndromes - Manipulation therapy for patients with internal derangement of the TMJ (human)
** P01DE-06945-01 0019 Pathophysiology of MPD and other facial pain syndromes - Surveys and longitudinal studies of internal derangements of the TMJ (human)
** P01DE-06946-01 0020 Pathophysiology of MPD and other facial pain syndromes - Long-term follow-up survey (human)
** P01DE-06946-01 0021 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
** P01DE-06946-01 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint
R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)
R23DE-06982-01 Biomechanical influences on condylar cartilage growth (rats)

ORAL-PHARYNGEAL, JAW MOVEMENT
SEE ALSO DENTISTRY, MASTICATION
** P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
** R01DE-04164-07 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04166-15 Oral pharyngeal reflexes (cats, human)
** R01DE-05738-04 Mastication, food transport, and swallowing in primates (cats, monkeys)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06193-02 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06665-02 Trigeminal motor fatigue-endurance and tremor studies (human)
** R03DE-06817-01 Maxillary expansion using laser specklegrammetry (human)
R03DE-06819-01 TMJ clicking related to orthodontic therapy
** R01DE-06943-01 Central projections of MES V afferents (cats)
P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-01 0014 Pathophysiology of MPD and other facial pain syndromes - Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human)
P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of bite plate designs--Treatment of MPD syndrome (human)
** P01DE-06946-01 0016 Pathophysiology of MPD and other facial pain syndromes - Exercise therapy for patients with clicking of the TMJ (human)
** P01DE-06946-01 0017 Pathophysiology of MPD and other facial pain syndromes - Manipulation therapy for patients with internal derangement of the TMJ (human)
P01DE-06946-01 0019 Pathophysiology of MPD and other facial pain syndromes - Surveys and longitudinal studies of internal derangements of the TMJ (human)
R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)

ORAL-PHARYNGEAL, LIPS
R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis

ORAL-PHARYNGEAL, MOUTH
R01DE-02342-13 Normal and altered oral mucosa (rats)
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
** P50DE-02668-18 0197 Regional dental research center - Peripheral nerves of the orofacial region
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05999-02 The role of nutrition in oral health (rats)
** R01DE-06113-04 Determinants of fluoride in the oral environment (dogs, rats)
R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat
** R23DE-06554-02 Organization of cortical tooth representations (monkeys)
** R01DE-06762-01 Development of an advanced artificial oral environment
** R03DE-07005-01 Reactivity of saliva with complement
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device

ORAL-PHARYNGEAL, MUCOSA
SEE ALSO GASTROINTESTINAL SYSTEM, EPITHELIUM
** R01DE-02342-13 Normal and altered oral mucosa (rats)
** P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
** R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
** R01DE-05335-05 Stem cells in oral mucosa (mice)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)
** R01DE-05999-02 The role of nutrition in oral health (rats)
** R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
** R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community
R23DE-06524-01 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06556-02 Oral epithelium structural proteins (rabbits)
R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)
R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)
R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
** R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)
** R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to ahove subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS

R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)

ORAL-PHARYNGEAL, PALATE

SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

R01DE-02342-13 Normal and altered oral mucosa (rats)
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
** P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
** R23DE-06040-03 Polyamines and palatal development (rabbits)
** R01DE-06397-02 Biochemical aspects of orofacial development
R03DE-06486-02 Microsphere binding to palatal glycoproteins

ORAL-PHARYNGEAL, PHARYNX

** P01DE-01697-22 0036 Craniofacial problems - Evaluation of velopharyngeal sphincteric function (human)
** P01DE-01697-22 0038 Craniofacial problems - Anatomy of the posterior pharyngeal wall (human)
R01DE-05738-04 Mastication, food transport, and swallowing in primates (cats, monkeys)

ORAL-PHARYNGEAL, SALIVA

** R01DE-01554-23 Host factors in caries resistance (human, bacteria)
R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-03187-13 Transport in enamel and solubility of enamel (human)
** R01DE-03658-20 Genetic polymorphisms of saliva (human)
** R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
** R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)
** R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
** R23DE-05827-03 Modifying effects of saliva and age on taste perception
R23DE-05893-03 Structural modulation of enamel pellicle formation
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R23DE-06066-02 Orally induced suppression in periodontal disease (rabbit, rats)
** R23DE-06072-03 Interaction of salivary components and S mutans
** R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
R01DE-06160-02 Maternal transmission of streptococcus mutans (human)
R23DE-06272-03 Weak acid inhibition of oral bacteria (human)
R03DE-06339-02 Immunoglobulin A affinity at a secretory site (rats)
** R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R01DE-06564-03 Remineralization of enamel caries in vitro (human)
** R03DE-06600-01 Salivary dissolution of mercury from dental amalgams
R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06762-01 Development of an advanced artificial oral environment
R13DE-06890-01 Workshop on molecular interactions in oral microbial adherence
** R01DE-06864-01 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)
** R03DE-07005-01 Reactivity of saliva with complement
** P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-01 0004 Specialized caries research centers - Immunological aspects of root caries (human)
R03DE-07045-01 Fatigue of ceramics in a simulated oral environment
N01DE-12430-08 Investigation of anticaries vaccine in primates
N01DE-32444-01 Pharmacology of intraoral fluoride releasing device
N01DE-42552-00 Prevent maternal transmission of streptococcus mutans (humans)

ORAL-PHARYNGEAL, SALIVARY GLANDS

R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
** P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
R01DE-04733-07 Secretory immune response and S mutans glucosyltransferase (mammals)
** R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05249-05 Salivary secretion - role of calcium (mice)
** R01DE-05251-05 Salivary gland secretory mechanisms (rats)
** R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
** R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)
** R01DE-06848-01 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
N01DE-42551-00 Develop antigens and adjuvants for caries immunity

ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID

P01DE-01554-23 Host factors in caries resistance (human, bacteria)
R01DE-02110-20 Salivary gland structure and function (mice, rats)
R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
N01DE-04897-04 Functional development of salivary glands (rats)
P01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)
** R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
** R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
** R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)
** R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)
** R03DE-07024-01 Oral signs and symptoms in bulimic patients

ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL

R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

R01DE-01554-23 Host factors in caries resistance (human, bacteria)
R01DE-02110-20 Salivary gland structure and function (mice, rats)
P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-04897-04 Functional development of salivary glands (rats)
** R01DE-05632-04 Development of salivary gland secretory function (rats)
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
** R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
** R23DE-06174-01 Insulin and protein synthesis in the rat gland
** R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)
** R01DE-06635-02 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

ORAL-PHARYNGEAL, SALIVATION

** P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
** R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
** R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)
** R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)
P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
** P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)

ORAL-PHARYNGEAL, TONGUE

SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE

R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
** R03DE-07019-01 Ultrasonic detection of oral markers (human)

ORAL-PHARYNGEAL DISORDERS (GENERAL)

SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO DENTAL DISORDERS
SEE ALSO NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
SEE ALSO ORAL-PHARYNGEAL HYPERPLASIA
SEE ALSO ORAL SURGERY

** P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** P50DE-02670-18 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
** R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
** R03DE-06819-01 TMJ clicking related to orthodontic therapy
** P01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

R01DE-04166-15 Oral pharyngeal reflux (cats, human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number

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** R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
** P01DE-06946-01 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)
** P01DE-06946-01 0003 Pathophysiology of MPD and other facial pain syndromes - Sensory discrimination analysis (human)
** P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)
** P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)
** P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)
** P01DE-06946-01 0013 Pathophysiology of MPD and other facial pain syndromes - Beta-endorphin levels in MPD syndrome patients (human)
** P01DE-06946-01 0014 Pathophysiology of MPD and other facial pain syndromes - Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human)
** P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of bite plate designs--Treatment of MPD syndrome (human)
** P01DE-06946-01 0018 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)

ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE
R03DE-07024-01 Oral signs and symptoms in bulimic patients

ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

ORAL-PHARYNGEAL DISORDERS, TONGUE DISORDERS
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PIERRE-ROBIN SYNDROME
** R03DE-06799-01 Speech prostheses in orofacial cancer patients

ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02670-18 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06516-02 Oral infection in myelosuppressed cancer patients
R03DE-06819-01 TMJ clicking related to orthodontic therapy
** P01DE-06946-01 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint
R03DE-07024-01 Oral signs and symptoms in bulimic patients

ORAL-PHARYNGEAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

ORAL-PHARYNGEAL HYPERPLASIA
SEE ALSO DENTAL DISORDERS, GINGIVAL HYPERPLASIA
R01DE-05395-05 Stem cells in oral mucosa (mice)

ORAL-PHARYNGEAL HYPERPLASIA, LEUKOPLAKIA ORAL
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

ORAL-PHARYNGEAL MUCOSA
SEE ORAL-PHARYNGEAL, MUCOSA

ORAL-PHARYNGEAL NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES

ORAL SURGERY
SEE ALSO DENTAL EXTRACTION
SEE ALSO DENTISTRY, ENDODONTICS
SEE ALSO DENTISTRY, SUBGINGIVAL CURETTAGE
SEE ALSO ORAL-FACIAL RESTORATION
P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
P50DE-02731-18 0033 Development support for dental research institute - Clinical trials of periodontal therapy (human)
** P01DE-03568-10 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
R01DE-04226-08 Subperiosteal oral implants (monkeys)
** R01DE-04890-06 Systematic plaque control - healing following periodontal surgery (human)
R01DE-05024-06 Craniofacial abnormalities in mice with vitamin D resistant rickets
R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
** R01DE-05369-06 Factors affecting dental postoperative pain (human)
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
R03DE-06692-02 Neurohumoral responses to pain and anxiety
R23DE-06874-01 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)
P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-01 0010 Pathophysiology of MPD and other facial pain syndromes - Study of the partial denervated temporomandibular joint (rabbits)
** P01DE-06946-01 0021 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)
** R03DE-07012-01 Therapeutic regimens for dental surgery

ORGAN TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

ORGANELLES
SEE CELL COMPONENTS, ORGANELLES

ORGANIC SYNTHESIS
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

ORIENTATION, BODY POSITION
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

ORNITHINE DECARBOXYLASE
SEE DECARBOXYLASES, ORNITHINE DECARBOXYLASE

ORTHODONTICS
SEE DENTISTRY, ORTHODONTICS

ORTHOPEDICS
SEE SKELETAL DISORDERS, ORTHOPEDICS

ORTHOPEDICS AND MUSCULOSKELETAL STUDY SECTION
SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS
** R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)

ORTHOPHENOLASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

OSMOTIC MINIPUMP
SEE DRUGS, DRUG DELIVERY SYSTEMS

OSSIFICATION PATHOGENIC
SEE SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC

OSSIFICATION PHYSIOLOGIC
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

OSTEOARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS

OSTEOARTHROPATHY, HYPERTROPHIC (PULMONARY)
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

OSTEOBLASTS
SEE SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS

OSTEOCALCIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

OSTEOCLAST ACTIVATING FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR

OSTEOCLASTS
SEE SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS

OSTEOCYTES
SEE SKELETAL SYSTEM, BONE CELLS

OSTEOGENESIS
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS

OSTEOGENESIS IMPERFECTA
SEE METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA

OSTEOGENIC SARCOMA
SEE NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA

OSTEOPETROSIS
SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OSTEOPOROSIS
SEE SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS

OSTEOSCLEROSIS
SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OTITIS MEDIA
SEE EAR DISORDERS, MIDDLE EAR DISORDERS, OTITIS MEDIA

OUABAIN
SEE CARDIAC GLYCOSIDES, OUARAIN

OUTREACH
SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

OVARY
SEE REPRODUCTIVE SYSTEM FEMALE, OVARY

OXALATES
SEE DICARBOXYLIC ACIDS, OXALATES

OXIDANTS
N01DE-12433-04 Phase contrast evaluation of subgingival plaque

OXIDATION
SEE OXIDATION-REDUCTION, OXIDATION

OXIDATION-REDUCTION
P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

OXIDATION-REDUCTION, OXIDATION
** R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys

OXIDATION-REDUCTION ENERGIES
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

OXIDES, SUPEROXIDE
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-06622-01 Molecular mechanisms of periodontal disease

OXIDIZING AGENTS
SEE OXIDANTS

OXIDOREDUCTASES
SEE ALSO PEROXIDASES
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)

OXIDOREDUCTASES, DEHYDROGENASES
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)

OXIDOREDUCTASES, GLUCOSE-6-PHOSPHATE DEHYDROGENASE
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

OXIDOREDUCTASES, LACTATE DEHYDROGENASE
R01DE-04529-08 Replacement therapy of dental caries (rats)

OXIDOREDUCTASES, MONOAMINE OXIDASE
R01DE-01554-23 Host factors in caries resistance (human, bacteria)

OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)

OXIDOREDUCTASES, SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)

OXYGEN
SEE RESPIRATORY GASES, OXYGEN

OXYGEN CONSUMPTION
SEE RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION

OXYGEN RADICALS
SEE HYDROXYL GROUPS
SEE OXIDES, SUPEROXIDE
SEE PEROXIDES, HYDROGEN PEROXIDE

OXYGEN TENSION
SEE RESPIRATORY GAS LEVELS, OXYGEN TENSION

OXYGENASES, MONOPHENOL MONOOXYGENASE
** R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

OZ GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

P
SEE PHOSPHORUS

PAIN
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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PAIN, DENTAL
SEE DENTAL PAIN

PAIN, ORAL-FACIAL
SEE ORAL-FACIAL PAIN

PAIN RELIEVING AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, ANALGESICS

PAIN TOLERANCE
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

PALATE
SEE ORAL-PHARYNGEAL, PALATE

PALATE, CLEFT
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE

PALLADIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)

PANCREAS DISORDERS, PANCREATITIS
R23DE-05929-03 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)

PANCREAS HORMONES, INSULIN
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)
** R23DE-06174-01 Insulin and protein synthesis in the rat gland

PANCREATIC CYSTIC FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

PANCREATIC ISLETS FUNCTION
R01DE-05990-01 Periodontitis, leukocyte function and diabetic status (human)

PANCREATITIS
SEE PANCREAS DISORDERS, PANCREATITIS

PANCREATOPEPTIDASE E
SEE PROTEASES AND PEPTIDASES, ELASTASE

PANCREOZYMIN
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PANCREOZYMIN-CHOLECYSTOKININ
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PAP
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

PAPILLOMAVIRUS
SEE VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS

PAPOVAVIRIDAE
SEE VIRUSES, PAPOVAVIRIDAE

PAPOVAVIRUSES
SEE VIRUSES, PAPOVAVIRIDAE

PARALINGUISTIC BEHAVIOR
SEE INFORMATION-COMMUNICATION BEHAVIOR, PARALINGUISTIC BEHAVIOR

PARAMEDICAL PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

PARANASAL SINUSES
SEE NASAL, PARANASAL SINUSES

PARASYMPATHETIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM

PARASYMPATHOMIMETIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

PARATHYROID HORMONES
** P01DE-01850-21 0068 Nutritional sources and metabolic roles of fluoride - Radioimmunoassay of parathyroid hormone in the rat
P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-18 0215 Regional dental research center - Osteopenia--Fators influencing development and recovery (rats)
** R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04345-09 Cell biology of osteoclasts (chickens)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
P50DE-04881-08 0004 Clinical research in periodontal diseases - Relation of inflammation mediators to destructive periodontal diseases (human)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

PARATHYROIDECTOMY
P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)

PARENT-CHILD
SEE FAMILY, PARENT-OFFSPRING

PARENT-OFFSPRING
SEE FAMILY, PARENT-OFFSPRING

PAROTID GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID

PARTICLE BEAMS
SEE RADIATION, HIGH ENERGY BEAMS

PARTICLES AND PARTICULATE MATTER
SEE PHYSICAL PROPERTIES, PARTICLES

PASSIVE IMMUNIZATION
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE

PASTEUR EFFECT
SEE HEXOSES, GLYCOLYSIS

PATELLA
SEE SKELETAL SYSTEM, JOINT, KNEE

PATHOBIOCHEMISTRY STUDY SECTION
** R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
** R01DE-02953-13 The developmental biology of calcified tissues (rats)
** R01DE-03301-14 Connective tissues of the periodontium (human, dog)
** R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
** R23DE-05793-03 Degradation of collagen in inflammation (human)

PATHOGENIC DIET
SEE NUTRITION, DIET PATHOGENIC

PATHOLOGIC PROCESSES
SEE DISEASES, PATHOLOGIC PROCESSES (NOT CLASSIFIED ELSEWHERE)

PATHOLOGY
SEE DISEASES, PATHOLOGY (GENERAL)*

PATHOLOGY MICROSCOPIC
SEE HISTOPATHOLOGY (GENERAL)*

PATHOLOGY B STUDY SECTION
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

PATIENT CARE MANAGEMENT
SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT

PATIENT CARE QUALITY
SEE HEALTH CARE QUALITY

PATIENT COMPLIANCE WITH THERAPY REGIMEN
SEE THERAPY COMPLIANCE

PATIENT PROFESSIONAL RELATIONS
SEE HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS

PATIENT REGISTRIES
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

PATTERN RECOGNITION (COMPUTER)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

PATTERN RECOGNITION, COMPUTER (OTHER THAN IMAGE-WAVESHAPE, OR COMPUTER SIMULATION OR DIAGNOSIS)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

PB
SEE METALS, HEAVY METALS, LEAD (COMPOUNDS)

PD
SEE METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)

PDGF
SEE GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR

PEDIATRIC CARE (SERVICES)
SEE CHILD HEALTH CARE (SERVICES)

PELECYPODS
SEE MOLLUSKS, PELECYPODS*

PEMPHIGUS
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, PEMPHIGUS

PENICILLIN
SEE ANTIBIOTICS, BETA-LACTAMS, PENICILLIN

PENICILLINASE
SEE AMIDOHYDROLASES, PENICILLINASE

PENTOSES, RIBOSE
SEE ALSO NUCLEIC ACIDS, RNA
SEE ALSO NUCLEOTIDES, RIBONUCLEOTIDES
R01DE-06622-01 Molecular mechanisms of periodontal disease

PEPTIDASE INHIBITORS
SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PEPTIDE-POLYPEPTIDE RELEASING FACTORS
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

PEPTIDE STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PEPTIDES
SEE ALSO NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES
SEE ALSO PHOSPHOPEPTIDES
SEE ALSO PROTEASES AND PEPTIDASES
R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

PEPTIDES, DIPEPTIDES
N01DE-42551-00 Develop antigens and adjuvants for caries immunity

PEPTIDES, ENKEPHALIN
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
** R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)
** P01DE-06946-01 0013 Pathophysiology of MPD and other facial pain syndromes - Beta-endorphin levels in MPD syndrome patients (human)

PEPTIDES, HOMOPEPTIDES, GLUTAMYL
P50DE-07010-01 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents

PEPTIDES, POLYPEPTIDES
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05354-07 Prevention of dental caries (rats, human)
R23DE-06072-03 Interaction of salivary components and S mutans
R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)

PEPTIDES, SUBSTANCE P
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)

PEPTIDES, VASOACTIVE PEPTIDES, HYPOTENSIVE PEPTIDES
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)

PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)

PEPTIDES ANALOGS
R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)

PEPTIDES AS BRAIN PEPTIDES FOR NEUROTRANSMISSION OR NEUROMODULATION
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
SEE PANCREAS HORMONES, INSULIN
SEE PEPTIDES, ENKEPHALIN
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
SEE PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

PEPTIDES AS NEUROREGULATORS IN BRAIN
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES
(cont'd)

*Excludes review methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

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PEPTIDES AS NEUROREGULATORS IN PERIPHERAL NERVOUS SYSTEM
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

PEPTIDES STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PEPTIDES TEMPLATES
SEE NUCLEIC ACIDS, MRNA

PEPTIDOGLYCANS
SEE ALSO PROTEOGLYCANS
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)
R01DE-07267-01 Periodontopathic bacteria -Chemical-biologic nature (rodents)

PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, PERCEPTION

PERCEPTUAL DISORDERS
SEE SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS

PERFORMANCE, JOB
SEE OCCUPATIONS, JOB PERFORMANCE

PERINATAL
SEE PREGNANCY, PERINATAL

PERIODONTAL DISORDERS
SEE DENTAL DISORDERS, PERIODONTAL

PERIODONTITIS
SEE DENTAL DISORDERS, PERIODONTITIS

PERIODONTIUM
SEE DENTAL STRUCTURE, PERIODONTIUM

PERIOSTEUM
SEE SKELETAL SYSTEM, BONE, PERIOSTEUM

PERIOSTITIS HYPERPLASTICA
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

PERIPHERAL NERVES (GENERAL)
SEE NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)

PERITONEUM
SEE BODY CAVITIES, PERITONEUM

PERMANENT TEETH
SEE DENTAL STRUCTURE, TOOTH

PERMEABILITY
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

PERMEASES
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES

PEROXIDASES
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
P50DE-02600-18 0030 Support for oral biology research center - Leukocyte function--its role in periodontal disease (human)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05632-04 Development of salivary gland secretory function (rats)
R01DE-05695-03 Immunopathologic study of dental pulpitis

PEROXIDASES, CATALASE
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

PEROXIDASES, LACTOPEROXIDASE
R01DE-01554-23 Host factors in caries resistance (human, bacteria)
** R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

PEROXIDASES, MYELOPEROXIDASE
** R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

PEROXIDES
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)

PEROXIDES, HYDROGEN PEROXIDE
** R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

PERSONAL SATISFACTION
SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

PERSONALITY
SEE PSYCHOLOGY, PERSONALITY

PEYOTE
SEE ALKALOIDS, MORPHINES

PGA, PROSTAGLANDIN A
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS

PGD, PROSTAGLANDIN D
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS

PGE1
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS, PROSTAGLANDIN E

PGF2
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS, PROSTAGLANDIN E

PGF, PROSTAGLANDIN F
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS, PROSTAGLANDIN F

PGF2-ALPHA, PROSTAGLANDIN F
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS, PROSTAGLANDIN F

PGH2, PROSTAGLANDIN H
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS

PH
SEE BODY FLUID BALANCE, ACID-BASE

PH (HYDROGEN ION CONCENTRATION)
SEE ACIDS-BASES, HYDROGEN-ION CONCENTRATION

PHAGE
SEE VIRUSES, BACTERIOPHAGE*

PHAGOCYTE DYSFUNCTION OF LEUKOCYTES (GENERAL)
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, PHAGOCYTE DYSFUNCTION (GENERAL)

PHAGOCYTES
SEE CELLS, PHAGOCYTES

PHAGOCYTOSIS
SEE CELL INGESTION, PHAGOCYTOSIS

PHANTOM MODELS
SEE MODELS, PHANTOM MODELS

PHARMACOLOGY
SEE DRUGS, PHARMACOLOGY

PHARMACOLOGY, BIOCHEMICAL
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

PHARMACOLOGY STUDY SECTION
** R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)

PHARYNGEAL DISORDERS DIAGNOSIS
SEE ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

PHARYNX
SEE ORAL-PHARYNGEAL, PHARYNX

PHASE CHANGE
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHASE MICROSCOPY
SEE OPTICS, MICROSCOPY, PHASE*

PHASE TRANSITION
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHENANTHRO(4,5BCD)FURAN-8,9C-IMINOETHANO
SEE ALKALOIDS, MORPHINES

PHENOLASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

PHENOLIC AMINES, NEOSYNEPHRINE
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)

PHENOL OXIDASE (MONOPHENOL MONOOXYGENASE)
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

PHENOLS, POLYPHENOLS
R01DE-05956-01 The adhesive of Mytilus byssus

PHENOTYPE
SEE GENETICS, GENES, GENE EXPRESSION

PHENYLALKYLAMINES, CATECHOLAMINES
SEE ALSO CYCLIC AMINO ACIDS, DOPA
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)

PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)

PHENYLALKYLAMINES, CATECHOLAMINES, L-HYDROXYDOPAMINE
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)

PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06511-02 Parotid secretion-Selective cAMP-PK isozyme activation (rabbits, rats)

PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R03DE-06489-01 Autonomic receptor localization in salivary glands (rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

PHENYLAMIDES, ACETAMINOPHEN
R03DE-07012-01 Therapeutic regimens for dental surgery

PHENYLCARBOXYLATES, BENZOATES
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
R03DE-06675-01 Biological evaluation of a new dental cement (rats)

PHENYLCARBOXYLATES, SALICYLATES
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)

PHENYLCARBOXYLATES, SALICYLATES, ACETYL-
P01DE-06946-01 0014 Pathophysiology of MPD and other facial pain syndromes - Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human)
R03DE-07012-01 Therapeutic regimens for dental surgery

PHENYLEPHRINE
SEE PHENOLIC AMINES, NEOSYNEPHRINE

PHENYTOIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

PHEROMONES
SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

PHONETICS
SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

PHONOARTHROGRAPHY
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

PHOSPHATASE INHIBITORS
SEE ENZYME INHIBITORS, PHOSPHATASE INHIBITORS

PHOSPHATASES
SEE ALSO PHOSPHODIESTERASES
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

PHOSPHATASES, ADENOSINE TRIPHOSPHATASE
SEE ALSO MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), MYOSIN
P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-05262-05 Mineralization in oral biology (mice, rats)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06071-01 Calcium metabolism in Streptococcus mutans
R01DE-06127-02 Acid-base physiology of oral streptococci
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)

PHOSPHATE DIABETES
SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

PHOSPHATES
SEE ALSO CALCIUM PHOSPHATES

(contd)

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**Directed significantly to above subject

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See Appendix for investigator's name and Grant Number

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R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)
R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
R01DE-06569-03 Quantitation of enamel demineralization mechanisms
R01DE-06761-01 Prevention of surface zone limited caries of enamel
R23DE-06829-02 Acid-etching and remineralization of enamel caries in vitro
P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
N01DE-12434-06 Identify cariogenic elements of food

PHOSPHATES, FLUOROPHOSPHATES
** R01DE-06128-01 Synthesis-testing of a herpesvirus antiviral agent

PHOSPHATES, PYROPHOSPHATES
R01DE-05262-05 Mineralization in oral biology (mice, rats)

PHOSPHATIDES
SEE PHOSPHOLIPIDS

PHOSPHATIDYL AMINO ACIDS
SEE AMINO ACIDS

PHOSPHATIDYL POLYGLYCEROL
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

PHOSPHAZENES
** R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners

PHOSPHODIESTERASE INHIBITORS
SEE ENZYME INHIBITORS, PHOSPHODIESTERASE INHIBITORS

PHOSPHODIESTERASES
SEE ALSO PHOSPHOLIPASE
R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)

PHOSPHOENOLPYRUVATE
SEE FATTY ACIDS, PYRUVATES, PHOSPHOENOLPYRUVATE

D-2-PHOSPHOGLYCERATE HYDROLYASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

PHOSPHOGLYCERIC ACIDS
SEE TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES

PHOSPHOLIPASE
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

PHOSPHOLIPASE, LECITHINASE A
R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)

PHOSPHOLIPASE A
SEE PHOSPHOLIPASE, LECITHINASE

PHOSPHOLIPIDS
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin
R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-05626-04 Role of complement in periodontal disease
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-05932-04 Role of lipoproteins in microbial calcification
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
R01DE-06860-01 Complement monocyte interactions in periodontal disease
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS
R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)

PHOSPHOMONOESTERASES, ACID PHOSPHATASE
P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02668-18 0029 Regional dental research center - Acid phosphatases in developing bones and teeth (rats)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)

PHOSPHOMONOESTERASES, ALKALINE PHOSPHATASE
P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P01DE-01850-21 0096 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-05262-05 Mineralization in oral biology (mice, rats)
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)

PHOSPHONATES
P50DE-02670-18 0014 Institute of dental research - Mechanism of production of carious lesions (human)

PHOSPHONATES, DIPHOSPHONATES
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-06569-03 Quantitation of enamel demineralization mechanisms

PHOSPHONITRILLS
SEE PHOSPHAZENES

PHOSPHOPEPTIDES
SEE ALSO PHOSPHOPROTEINS
R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca facicularis)

PHOSPHOPROTEINS
SEE ALSO PHOSPHOPEPTIDES
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
** P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-05092-06 Proteins involved in dentinogenesis
** R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca facicularis)
** R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts
** R23DE-06896-01 Nonenzymatic reactions in human dentin proteins

PHOSPHOPYRUVATE HYDRATASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

PHOSPHORINS
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)

PHOSPHORUS
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-04486-07 Kinetics and mechanisms of action of fluorides (human)
R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-05780-03 Development and mineralization of enamel in teeth
R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
R03DE-06803-01 Intermicroscopic correlation of remineralization
R03DE-06807-01 Biochemical responses in plaque fluid to reference foods (children)
N01DE-12430-08 Investigation of anticaries vaccine in primates

PHOSPHORUS BALANCE (METABOLISM)
SEE CALCIUM (MINERAL) BALANCE, PHOSPHORUS BALANCE (METABOLISM)

PHOSPHORUS COMPOUNDS (GENERAL)
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

PHOSPHORYLATION
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans
** R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R03DE-06505-02 Phenytoin-induced nuclear alterations in fibroblasts
R03DE-06575-02 Herpes simplex virus DNA polymerase and drug resistance
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)
P50DE-07003-01 0005 Rochester caries research center - Salivary pellicle and dental caries (humans)

PHOSPHOSERINE
SEE AMINO ACIDS, PHOSPHOSERINE

PHOSPHOTRANSFERASES
R01DE-03216-15 Biochemical mechanisms relevant to dentistry
R01DE-05966-03 Mechanisms of sugar transport in Streptococcus mutans

PHOSPHOTRANSFERASES, ATP:PYRUVATE PHOSPHOTRANSFERASE
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)

PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)
** R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)

PHOTOCHEMISTRY
P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials

PHOTOPERIODISM
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

PHYLOGENY
SEE BIOLOGY, SYSTEMATIC, EVOLUTION AND PHYLOGENY

PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS
** P50DE-02623-17 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
** R01DE-03915-11 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
** R01DE-05067-06 Interaction of topical fluoride with human enamel (hamsters)
R01DE-05429-06 Adherence of periodontal disease-associated bacteria
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R23DE-05893-03 Structural modulation of enamel pellicle formation
** R03DE-06072-03 Interaction of salivary components and S mutans
** R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)
** R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion
** R01DE-06555-02 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R13DE-06800-01 Workshop on molecular interactions in oral microbial adherence
** R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
** R01DE-06860-01 Complement monocyte interactions in periodontal disease
** R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
** P50DE-07010-01 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)

PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), FOOD ADDITIVES INTERACTION
R03DE-06678-01 Assessment of genetic toxicity mediated by steviol (rats)

PHYSICAL CHANGES IN STATES OF MATTER
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHYSICAL MODELS
SEE MODELS, STRUCTURAL MODELS

PHYSICAL PROPERTIES (STATES)(PROCESSES)
SEE ALSO CHEMICAL STRUCTURE
SEE ALSO DENTAL MATERIALS, WEAR
SEE ALSO ELECTRICITY MAGNETISM, MAGNETICS (GENERAL)
SEE ALSO MOLECULAR WEIGHT
SEE ALSO TEMPERATURE (SEE ALSO THERM...)
** R01DE-05956-04 The adhesive of Mytilus byssus

PHYSICAL PROPERTIES, ADHESION
SEE ALSO CELL ADHESION
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** R01DE-04614-08 Adherence of oral streptococci to hydroxyapatite
R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin
** R01DE-05945-03 Physicochemical modifications of dental restoratives

PHYSICAL PROPERTIES, ADSORPTION
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R23DE-06757-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

PHYSICAL PROPERTIES, COLLOIDS, GELS
** P50DE-07010-01 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)

PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
R01DE-05932-04 Role of lipoproteins in microbial calcification

PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)
R01DE-05945-03 Physicochemical modifications of dental restoratives

PHYSICAL PROPERTIES, DENSITOMETRY*
** R01DE-06179-02 Radiopaque restorative and prosthetic dental resins

PHYSICAL PROPERTIES, DIFFUSION
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
R43DE-07022-01 New controlled release antibiotic delivery systems

PHYSICAL PROPERTIES, ELASTICITY
SEE ALSO PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY
SEE ALSO PLASTICS, ELASTOMERS
R01DE-05321-05 Titanium alloys in dentistry
R01DE-05945-03 Physicochemical modifications of dental restoratives

PHYSICAL PROPERTIES, FLUID STATE, VAPORS
** R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

PHYSICAL PROPERTIES, MECHANICAL PRESSURE
SEE ALSO PHYSICAL PROPERTIES, TENSILE STRENGTH
** R01DE-03953-10 Force systems from orthodontic appliances
R01DE-05418-05 In vivo forces on endosseous dental implants (dogs)
R01DE-05980-01 Stress analysis of mandibular partial dentures
** R01DE-06137-02 Mechanical properties of gingiva to resist probing (dogs)
R01DE-06563-02 Microstructure vs. deterioration of amalgam restorations
** R44DE-06779-02 Evaluation of a new automated periodontal probe

PHYSICAL PROPERTIES, MECHANICAL STRESS
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in [illegible] volume regulation (human, monkeys)
R01DE-04531-07 Strain in the facial bones (monkeys)
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems
** R01DE-06563-02 Microstructure vs. deterioration of amalgam restorations

PHYSICAL PROPERTIES, PARTICLES
R43DE-07022-01 New controlled release antibiotic delivery systems

PHYSICAL PROPERTIES, PHASE CHANGE
R01DE-05945-03 Physicochemical modifications of dental restoratives

PHYSICAL PROPERTIES, PRECIPITATION
** R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)

PHYSICAL PROPERTIES, SOLID STATE, HARDNESS
R44DE-06779-02 Evaluation of a new automated periodontal probe

PHYSICAL PROPERTIES, SOLUBILITY
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
** R01DE-03187-13 Transport in enamel and solubility of enamel (human)
** R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05839-02 In vivo vs in vitro cement solubility - Correlative study
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion

PHYSICAL PROPERTIES, SOLUTES
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)

PHYSICAL PROPERTIES, SOLUTIONS
SEE ALSO IONS, ELECTROLYTES
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)

PHYSICAL PROPERTIES, SOLVENTS
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion

PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*
** R03DE-07019-01 Ultrasonic detection of oral markers (human)

PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC
SEE ALSO PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*
** R03DE-07019-01 Ultrasonic detection of oral markers (human)

PHYSICAL PROPERTIES, SOUND IMPEDANCE
R03DE-06799-01 Speech prostheses in orofacial cancer patients

PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
** P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-06564-03 Remineralization of enamel caries in vitro (human)
** R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)

PHYSICAL PROPERTIES, SURFACTANTS
R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-06[illegible] Remineralization of enamel caries in vitro (human)
R01DE-06569 Quantitation of enamel demineralization mechanisms

PHYSICAL PROPERTIES, TENSILE STRENGTH
** P50DE-02668-18 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
R01DE-03953-10 Force systems from orthodontic appliances
R01DE-04883-07 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05980-01 Stress analysis of mandibular partial dentures
R01DE-06563-02 Microstructure vs. deterioration of amalgam restorations

PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY
R03DE-06566-02 Clinical study of [illegible] tooth interface

PHYSIOLOGICAL CHEMISTRY STUDY SECTION
** R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis

** R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)

PHYSIOLOGICAL PSYCHOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PHYSIOLOGICAL STRESSORS
SEE STRESS, PHYSIOLOGICAL STRESSORS

PHYSIOLOGY (GENERAL)*
SEE ALSO CELLULAR PHYSIOLOGY REVIEW GROUP
SEE ALSO ELECTROPHYSIOLOGY
SEE ALSO MICROBIAL PHYSIOLOGY AND GENETICS STUDY SECTION
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
** P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
** P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** R01DE-06644-02 Physiology of oral bacteria: Sugar, PH and F relations

PHYSIOLOGY STUDY SECTION
** R01DE-02110-20 Salivary gland structure and function (mice, rats)

PHYSIOPSYCHOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PHYTOAGGLUTININS
SEE PLANTS PROTEINS, LECTINS

PHYTOLACCA SP.
SEE PLANTS, ANGIOSPERMS, POKEWEED*

PHYTOLACCACEAE
SEE PLANTS, ANGIOSPERMS, POKEWEED*

PHYTOMITOGENS
SEE PLANTS PROTEINS, LECTINS

PICTORIAL DATA PROCESSING (COMPUTER)
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

PIERRE ROBIN SYNDROME
SEE CONGENITAL ABNORMALITIES, ORAL FACIAL CRANIAL, PIERRE ROBIN SYNDROME

PIGEON BERRY
SEE PLANTS, ANGIOSPERMS, POKEWEED*

PIGMENTATION
R01DE-06557-01 Effects of barium on human enamel and dental caries (rats)

PIGMENTS
SEE ALSO FLAVINS
SEE ALSO TERPENES, CAROTENE
R01DE-04136-10 Maxillofacial materials: Color study (human)

PILLS
SEE DOSAGE FORMS

PINOCYTOSIS
SEE CELL INGESTION, PINOCYTOSIS

PIPE SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
** R01DE-05369-06 Factors affecting dental postoperative pain (human)
** R03DE-06692-02 Neurohumoral responses to pain and anxiety
** P01DE-06946-01 0013 Pathophysiology of MPD and other facial pain syndromes - Beta endorphin levels in MPD syndrome patients (human)

PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)

PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN
SEE ALSO PANCREATIC ISLETS FUNCTION
R01DE-06682-02 CNS modulation of orofacial input (rats, cats)

PLACEBO EFFECT
SEE THERAPY, PLACEBO EFFECT

PLACENTAL BARRIER
SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLACENTAL TRANSFER
SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLANT MODELS OF HUMAN DISEASES
SEE MODELS, DISEASE MODELS

PLANTS, ANGIOSPERMS, POKEWEED*
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)

PLANTS EXTRACTS, POKEWEED EXTRACTS
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response [illegible] periodontal disease bacteria

*Excludes routine methodology OR covers only general aspects of [illegible] indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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PLANTS PROTEINS, LECTINS
SEE ALSO PROTEINS, LECTINS (NON-PLANT)
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R03DE-06586-02 A genetic approach for study of actinomyces viscosus
** R23DE-06945-02 Identification of microbial lectins (rabbits)
P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)

PLAQUE
SEE DENTAL DEPOSITS, PLAQUE

PLAQUE REMOVAL
SEE DENTAL DEPOSITS REMOVAL

PLASMA
SEE BLOOD AND RE SYSTEM, BLOOD, PLASMA

PLASMA MEMBRANE
SEE CELL COMPONENTS, CELL MEMBRANE

PLASMA PROTEINS
SEE BLOOD PROTEINS

PLASMALEMMA
SEE CELL COMPONENTS, CELL MEMBRANE

PLASMID CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

PLASMIDS
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS

PLASMINOGEN PROACTIVATOR ACTIVATORS
SEE BLOOD COAGULATION, LYSOKINASE

PLASMODESMATA
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

PLASTIC SURGERY
SEE SURGERY, PLASTIC

PLASTICITY, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

PLASTICS, ACRYLIC POLYMERS
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins

PLASTICS, ACRYLIC POLYMERS, METHACRYLATES
R01DE-05053-05 Blocked isocyanates for chemical bonding to dentin
R01DE-05945-03 Physicochemical modifications of dental restoratives
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins
R03DE-06677-01 Vascular casting of the dental pulp (cats)

PLASTICS, ELASTOMERS
SEE ALSO PLASTICS, SILICONE RUBBER
R01DE-04136-10 Maxillofacial materials--Color study (human)
** R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)

PLASTICS, FLUOROCARBON POLYMERS
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R03DE-06815-01 Inherent healing capacity of the pulp (monkeys)

PLASTICS, POLYETHYLENES
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
** R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)

PLASTICS, POLYURETHANES
** R01DE-04226-08 Subperiosteal oral implants (monkeys)
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)

PLASTICS, POLYVINYLS
SEE ALSO PLASTICS, POLYETHYLENES
SEE ALSO PLASTICS, STYRENE POLYMERS
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamstersm human)

PLASTICS, SILICONE RUBBER
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners

PLASTICS, STYRENE POLYMERS
R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners

PLATELET ACTIVATING FACTOR
SEE BLOOD PLATELETS, PLATELET ACTIVATING FACTOR

PLATELET DERIVED GROWTH FACTOR
SEE GROWTH FACTORS (INCL ANABOLICS), PLATELET DERIVED GROWTH FACTOR

PLEASURE (EMOTIONS)
SEE PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)

PNEUMOANEMOMETER
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

PNEUMOTACHOGRAPHY, RESPIRATORY
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

POKEWEEDS
SEE PLANTS, ANGIOSPERMS, POKEWEED*

POKEWEED EXTRACTS
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

POKEWEED MITOGEN
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

POLARIZATION OPTICS
SEE OPTICAL POLARIZATION*

POLARIZED PUMPING MEMBRANES
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

POLIOMYELITIS LIVE VACCINE
SEE VACCINES, LIVE

POLYAMINES
SEE AMINES, POLYAMINES

POLYANIONS
SEE IONS, POLYIONS, POLYANIONS

POLYCLONAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES

POLYCYCLIC HYDROCARBONS
SEE CYCLICS, CARBOPOLYCYCLICS

POLYETHYLENES
SEE PLASTICS, POLYETHYLENES

POLYGLUTAMIC ACID
SEE PEPTIDES, HOMOPEPTIDES, GLUTAMYL

POLYMERIZATION
SEE MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION

POLYMERS
SEE MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)

POLYMORPHISM (BIOLOGY)
SEE BIOLOGY, POLYMORPHISM

POLYMORPHISM, SEXUAL (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

POLYMORPHONUCLEAR LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

POLYPEPTIDES
SEE PEPTIDES, POLYPEPTIDES

POLYPHENOL OXIDASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

POLYPHENOLS
SEE PHENOLS, POLYPHENOLS

POLYSACCHARIDES
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-05597-03 Lipopolymers and Streptococcus sanguis wall assembly
R23DE-06072-03 Interaction of salivary components and S mutans
** P50DE-07003-01 0002 Rochester caries research center - Immunochemical studies of A viscosus polysaccharides (rats)

POLYSACCHARIDES, BACTERIAL (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO PEPTIDOGLYCANS
SEE ALSO POLYSACCHARIDES, TEICHOIC ACID
** R01DE-03578-13 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03995-10 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
R01DE-06880-01 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
** P01DE-01850-21 0088 Nutritional sources and metabolic roles of fluoride - Determining ionic fluoride content of human plasma
** P01DE-01850-21 0089 Nutritional sources and metabolic roles of fluoride - Fluoride and glycosaminoglycans in bone (rats)
P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)
** R01DE-04316-08 Extracellular matrix and morphogenesis in mutant mice (also birds)
R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06397-02 Biochemical aspects of orofacial development
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)
P01DE-06946-01 0008 Pathophysiology of MPD and other facial pain syndromes - Study of repair in the TMJ disc and retrodiscal tissue (rabbits)
P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE
** P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin
** P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID
P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05838-05 Morphogenetic role of glycosaminoglycans (chick embryo)

POLYSACCHARIDES, LIPOPOLYSACCHARIDES
SEE ALSO GLYCOLIPIDS
SEE ALSO GLYCOLIPOPEPTIDES
R01DE-04217-10 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R01DE-05623-03 Bacterial products and bone metabolism (rats)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

POLYSACCHARIDES, TEICHOIC ACID
** P50DE-02731-18 0034 Development support for dental research institute - Microbial biochemistry lab
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
** R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)

POLYSTYRENES
SEE PLASTICS, STYRENE POLYMERS

POLYTETRAFLUOROETHYLENES
SEE PLASTICS, FLUOROCARBON POLYMERS

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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POLYURETHANES
SEE PLASTICS, POLYURETHANES

POLYVINYL ALCOHOLS
SEE PLASTICS, POLYVINYLS

POLYVINYL CHLORIDE
SEE PLASTICS, POLYVINYLS

POLYVINYLS
SEE PLASTICS, POLYVINYLS

PONS
SEE BRAIN, PONS

POPULATION GENETICS HUMAN
SEE GENETICS, POPULATION GENETICS HUMAN

POPULATION GENETICS MICROORGANISMS
SEE GENETICS, POPULATION GENETICS MICROORGANISMS

POPULATION STUDIES CELL
SEE ALSO CELL GROWTH REGULATION
SEE ALSO CELL MIGRATION
P50DE-02600-18 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
R01DE-05395-05 Stem cells in oral mucosa (mice)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
** R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
R01DE-06955-01 Epidermal growth factor and tooth development (mice)
R01DE-06917-01 Oral mucosa in vitro (mice, rats, guinea pigs)
** R03DE-07046-01 Cell migration in experimental periodontal wounds (monkey)
** R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

POPULATION STUDIES HUMAN
SEE ALSO GENETICS, POPULATION GENETICS HUMAN
P01DE-01850-21 0087 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on serum alkaline phosphatase activity (human)
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
P50DE-07003-01 0010 Rochester caries research center - Identifying caries susceptible subjects

POPULATION STUDIES HUMAN, EPIDEMIOLOGY
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
SEE ALSO MENTAL HEALTH EPIDEMIOLOGY
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
** R01DE-06009-02 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06437-02 Incidence and prevalence of root caries in the elderly (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)
P50DE-07010-01 0004 Specialized caries research center - Carbohydrates in root caries
** N01DE-42553-00 Epidemiologic survey of oral health in adults

POPULATION STUDIES HUMAN, LONGITUDINAL STUDY
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)
P01DE-01697-22 0040 Craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
P01DE-01697-22 0041 Craniofacial problems - Effect of palate repair on eustachian tube function (human)
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
P50DE-02668-18 0191 Regional dental research center - Clinical evaluation of restorative materials and techniques (human)
P50DE-02731-18 0035 Development support for dental research institute - Immune regulation in periodontal disease
R01DE-02862-17 Growth and development of the human head
P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies
P01DE-02872-15 0064 Center for craniofacial anomalies - Audiology
M P01DE-03568-10 Craniofacial anomalies--Etiology and treatment
P01DE-03568-10 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
P01DE-03568-10 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
R01DE-04278-09 Human saliva-streptococcal metabolic interactions
P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
** P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-04 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R01DE-05952-03 Comparison of clinical evaluation methods for amalgam (human)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)
R23DE-06033-03 Osteoporosis and oral changes in older women
** R01DE-06085-02 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
R01DE-06417-01 Factors influencing long-term oral self-care (human)
R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06570-03 Psychosocial evaluation of craniofacial patients
** R03DE-06690-01 Long-term follow-up of craniofacial injuries
R01DE-06720-01 Resistance of various restorative materials
R03DE-06818-01 College students and comprehensive care effectiveness
R03DE-06819-01 TMJ clicking related to orthodontic therapy
R23DE-06832-01 Experimental diabetes and periodontitis (monkeys)
R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
** P01DE-06946-01 0019 Pathophysiology of MPD and other facial pain syndromes - Surveys and longitudinal studies of internal derangements of the TMJ (human)
** P01DE-06946-01 0020 Pathophysiology of MPD and other facial pain syndromes - Long-term follow-up survey (human)
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)

POPULATION STUDIES HUMAN, MORBIDITY
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)

POPULATION STUDIES MICROORGANISMS
SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO GENETICS, POPULATION GENETICS MICROORGANISMS
P50DE-02600-18 0037 Support for oral biology research center - Peridontal microflora (human)
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)

POPULATION SURVEYS
R01DE-05622-03 Rx for dental patients at risk for endocarditis (dentists)
R23DE-05827-03 Modifying effects of saliva and age on taste perception
R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)

POPULATION SURVEYS, HEALTH SURVEYS
P01DE-03568-10 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
R03DE-06818-01 College students and comprehensive care effectiveness
** R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
N01DE-32445-02 National caries program

POPULATION SURVEYS, HEALTH SURVEYS, DENTAL
** R01DE-02862-17 Growth and development of the human head
R01DE-06895-01 Implementing preventive dental programs in schools
** N01DE-42553-00 Epidemiologic survey of oral health in adults

PORCELAINS, DENTAL
SEE DENTAL MATERIALS, PORCELAINS

POSTNATAL
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

POSTOPERATIVE
SEE SURGERY, POSTOPERATIVE

POSTOPERATIVE COMPLICATIONS
SEE DISEASES, COMPLICATIONS, POSTOPERATIVE

POSTURE
SEE SKELETAL MOVEMENT, POSTURE

POTASSIUM
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-02 Modulating role of prostaglandins in salivary glands (rats)

POTASSIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, POTASSIUM PUMP

POTENTIALS
SEE ELECTROPOTENTIALS

POTENTIATION
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

POULTRY PRODUCTS
SEE FOOD, POULTRY PRODUCTS

POWDERS (DOSAGE FORM)
SEE DOSAGE FORMS

PRECIPITATION
SEE PHYSICAL PROPERTIES, PRECIPITATION

PREDICTION OF BEHAVIOR
SEE PSYCHOLOGY, BEHAVIOR PREDICTION

PREDICTION OF DISEASE OUTCOME
SEE DISEASES, PROGNOSIS

PREDISPOSITION TO DISEASE
SEE DISEASE PRONENESS-RISK

PREDNISOLONE
SEE ADRENAL CORTEX HORMONES ANALOGS, PREDNISOLONE

PREDNISONE
SEE ADRENAL CORTEX HORMONES ANALOGS, PREDNISONE

PREGNANCY
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION
SEE ALSO NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)

PREGNANCY, EMBRYO-FETUS
SEE ALSO EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)
SEE ALSO EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES
SEE ALSO GENETICS, DEVELOPMENTAL GENETICS
** R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)

PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)

PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY
** N01DE-32441-03 Effect of prenatal fluoride in preventing dental caries (human)

PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)

PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
** R03DE-06272-01 Oxygen and sodium valproate induced craniofacial defects (mice)
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PREGNANCY, EMBRYO-FETUS TOXICOLOGY
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)

PREGNANCY, PERINATAL
SEE ALSO REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION
** R01DE-05780-03 Development and mineralization of enamel in teeth
R01DE-06528-02 Trigeminal primary afferent organization and development (rats)

PREGNANCY CIRCULATION, PLACENTAL TRANSFER
N01DE-32441-03 Effect of prenatal fluoride in preventing dental caries (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Qualifies significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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PREGNANCY DISORDERS
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
SEE ALSO PREGNANCY, EMBRYO-FETUS TOXICOLOGY
P50DE-02731-18 0021 Development support for dental research institute - Bacterial specificity in periodontal disease (human)
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
SEE ALSO CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)
** P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice,
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
** R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)

PREGNANCY MEMBRANES, CHORION
** R01DE-05669-04 Chorion type and dental morphology in twins (human)

PREMATURE AGING
SEE AGING, PREMATURE AGING

PREMATURE INFANT
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

PREOPERATIVE
SEE SURGERY, PREOPERATIVE

PREPARATION OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

PRESCHOOL
SEE CHILDREN, PRESCHOOL (1 TO 6 YRS)

PRESERVATION
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

PRESSURE, BLOOD
SEE CARDIOVASCULAR FUNCTION, BLOOD PRESSURE

PRESSURE, MECHANICAL
SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

PREVENTION
SEE HEALTH, DISEASE PREVENTION AND CONTROL
SEE NEOPLASMS PREVENTION AND CONTROL

PREVENTIVE DENTISTRY
SEE DENTISTRY, PREVENTIVE

PREVENTIVE MEDICINE
SEE HEALTH, DISEASE PREVENTION AND CONTROL

PRIMATES
SEE MAMMALS, PRIMATES*

PROBE TUBE MICROPHONE
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

PROCARYOTE
SEE BACTERIA (GENERAL)*

PROCOLLAGEN
SEE FIBROUS PROTEINS, COLLAGEN, PROCOLLAGEN

PROGERIA
SEE AGING, PREMATURE AGING

PROGESTINS
P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors

PROGNOSIS (DISEASE RELATED)
SEE DISEASES, PROGNOSIS

PROGRAMMING, COMPUTER
SEE COMPUTER PROGRAMMING*

PROLINE
SEE CYCLIC AMINO ACIDS, PROLINE

PROMOTERS OF TUMORS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS

PRONENESS TO DISEASE
SEE DISEASE PRONENESS-RISK

PROPANOLOL
SEE NAPHTHYLAMINES, PROPRANOLOL

PROPIONIBACTERIUM
SEE BACTERIA, PROPIONIBACTERIACEAE, PROPIONIBACTERIUM*

PROPRANOLOL
SEE NAPHTHYLAMINES, PROPRANOLOL

PRO[illegible]PTION
SEE PERCEPTUAL PROCESSES, PROPRIOCEPTI[illegible]

[illegible]NDIN E
SEE [illegible]S UNSATURATED, PROSTAGLANDINS, [illegible]NDIN E

PROSTAGLANDIN ENDOPEROXIDE SYNTHETASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN F
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS, PROSTAGLANDIN F

PROSTAGLANDIN SYNTHASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN SYNTHETASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDINS
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS

PROSTAGLANDINS ANALOGS
SEE FATTY ACIDS, UNSATURATED, PROSTAGLANDINS ANALOGS

PROSTHODONTICS
SEE ORAL-FACIAL RESTORATION, PROSTHODONTICS

PROTEASE INHIBITORS
SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PROTEASES AND PEPTIDASES
P50DE-02670-18 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
R23DE-05793-03 Degradation of collagen in inflammation (human)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R23DE-06068-03 Anti-S mutans IgA- Subclasses and effects of IgA proteases (human)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
** R01DE-06952-01 Enamel secretory matrix protease (catte, rats)
P50DE-07009-01 0005 Specialized caries research centers - Physical -chemical and microbiological aspects of root caries formation (human)
** R01DE-07257-01 IgA protease and dental caries

PROTEASES AND PEPTIDASES, CATHEPSIN B
R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)

PROTEASES AND PEPTIDASES, CATHEPSINS
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum

PROTEASES AND PEPTIDASES, COLLAGENASE
** P50DE-02670-18 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
R23DE-05793-03 Degradation of collagen in inflammation (human)
** R01DE-05817-04 Cellular mechanisms of collagen breakdown (human, animals)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)
R01DE-06671-02 Phenytoin- Pathogenesis of gingival overgrowth (cats, dogs)
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)

PROTEASES AND PEPTIDASES, ELASTASE
R01DE-03987-10 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R23DE-05953-03 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h
R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)

PROTEASES AND PEPTIDASES, GLUTAMYL TRANSPEPTIDASE
R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

PROTEASES AND PEPTIDASES, TRYPSIN
R01DE-04796-10 Lysozyme-cell surface interactions and oral def-

PROTEI[illegible] BINDING
SEE A[illegible] BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P01DE-01850-21 0075 Nutritional sources and metabolic roles of fluoride - Metabolic handling of perfluorooctanoic acid (rats)
P50DE-02623-17 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
N01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05289-06 Fluorine ion uptake and binding by early enamel matrix (rats)
R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R23DE-06915-01 Attachment protein interaction with periodontal bacteria (mice)
R01DE-06962-01 Surface protein antigens of cariogenic streptococci
P50DE-07009-01 0003 Specialized caries research centers - Biochemical and microbiologicalaspects of root surface caries (human)
** R23DE-07256-01 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

PROTEIN BOUND CARBOHYDRATES
SEE CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES

PROTEIN DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, PROTEIN DEFICIENCY

PROTEIN DEGRADATION
SEE PROTEOLYSIS

PROTEIN KINASES (GENERAL)
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)

PROTEIN PHOSPHOTRANSFERASES
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)

PROTEIN-POLYSACCHARIDE COMPLEXES
SEE PROTEOGLYCANS

PROTEIN STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PROTEINS
SEE ALSO ALBUMINS
SEE ALSO BLOOD PROTEINS
SEE ALSO CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION, PROTEINS
SEE ALSO GLYCOPROTEINS
SEE ALSO LIPOPROTEINS
SEE ALSO NUCLEIC ACIDS, MRNA
SEE ALSO NUCLEOPROTEINS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS
SEE ALSO PEPTIDES
SEE ALSO PHOSPHOPROTEINS
SEE ALSO PROTEOGLYCANS
SEE ALSO PROTEOLIPIDS
P50DE-02600-18 0034 Support for oral biology research center - Salivary and oral mucosal changes after cancer chemotherapy (human)
** P50DE-02623-17 0037 Center for oral health research - Enamel proteins and their genes
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** R01DE-05092-06 Proteins involved in dentinogenesis
R01DE-05780-03 Development and mineralization of enamel in teeth
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
R01DE-06765-01 Ion transport through the maturation stage enamel organ (cows, rats)
N01DE-12430-08 Investigation of anticaries vaccine in primates
N01DE-12434-06 Identify cariogenic elements of food

PROTEINS, BACTERIAL (GENERAL)
R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-06746-01 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06962-01 Surface protein antigens of cariogenic streptococci

PROTEINS, CALCIUM BINDING PROTEINS
R01DE-05092-06 Proteins involved in dentinogenesis
R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca fascicularis)

(contd)

*Exclude[illegible] ...thodology (IR...overs only general projects ab...be indexing at the ...
**Or related ...

M Grant has subprojects describing specific research aspects
See Appendix for Investigator's name and Grant Number

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** R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

PROTEINS, CALCIUM BINDING PROTEINS, CALMODULIN
** R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)

PROTEINS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS

PROTEINS, LECTINS (NON-PLANT)
SEE ALSO PLANTS PROTEINS, LECTINS
R01DE-04296-10 Lysozyme-cell surface interactions and oral defense
R03DE-06486-02 Microsphere binding to palatal glycoproteins
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)

PROTEINS, MEMBRANE PROTEINS
SEE ALSO DRUGS RECEPTORS
SEE ALSO ENDOCRINOLOGY, HORMONE RECEPTORS
SEE ALSO NEUROTRANSMITTERS RECEPTORS
P50DE-02623-17 0035 Center for oral health research - Physiology and genetics of transport in the oral fusobacteria
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05251-05 Salivary gland secretory mechanisms (rats)
** R01DE-05630-04 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05632-04 Development of salivary gland secretory function (rats)
R01DE-05978-02 Lipid nutrition, membrane fluidity and enzymes (rats)
** R03DE-06486-02 Microsphere binding to palatal glycoproteins
R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)
R01DE-06991-01 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

PROTEINS, VIRAL (GENERAL)
** P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
** R03DE-06572-01 Isolation of herpes simplex virion attachment protein

PROTEINS AND ANALOGS SYNTHESIS, DESIGN AND PRODUCTION
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION, PROTEINS

PROTEINS BIOSYNTHESIS
SEE ALSO AMINO ACYL TRNA
SEE ALSO CELL COMPONENTS, RIBOSOMES
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO LIPOPROTEINS BIOSYNTHESIS
SEE ALSO NUCLEIC ACIDS, MRNA
** R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
** P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
P50DE-02670-18 0019 Institute of dental research - Chemistry and molecular biology of the connective tissue protein, collagen
** P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-03246-15 Biochemical mechanisms relevant to dentistry
R01DE-03301-14 Connective tissues of the periodontium (human, dog)
R01DE-03606-15 Morphogenesis of bacteriophage Phi-29
R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04224-10 Studies on the genetics of oral microflora (rats)
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-04960-06 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05041-06 Orofacial anomalies in phenytoin teratogenesis (mice, rats, human)
R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05766-03 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts)
R01DE-05999-02 The role of nutrition in oral health (rats)
R23DE-06040-03 Polyamines and palatal development (rabbits)
R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
** R23DE-06174-01 Insulin and protein synthesis in the rat gland
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06801-02 Use of mutants to study S mutans pathogenicity (rats, rabbits)
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)
** R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

PROTEINS DENATURATION
R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)

PROTEINS METABOLISM
SEE ALSO PROTEINS BIOSYNTHESIS
SEE ALSO PROTEOLYSIS
** R01DE-04278-09 Human saliva-streptococcal metabolic interactions

PROTEINS-PEPTIDES STRUCTURE
SEE ALSO ENZYME STRUCTURE
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
** R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
P50DE-02600-18 0038 Support for oral biology research center - Connective tissue, fibroblasts and periodontitis (human)
** P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** P50DE-02670-18 0001 Institute of dental research - Crystal structures of calcium and phosphate complexes and of related proteins
** P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
** P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)
P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04645-07 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06071-01 Calcium metabolism in Streptococcus mutans
R23DE-06448-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R01DE-06556-02 Oral epithelium structural proteins (rabbits)
R03DE-06572-01 Isolation of herpes simplex virion attachment protein
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06852-01 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06962-01 Surface protein antigens of cariogenic streptococci
R23DE-07268-01 Polymorphonuclear leukocyte function in wound healing (rabbits)

PROTEINS-PEPTIDES STRUCTURE, AMINO ACIDS SEQUENCE
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
P50DE-02668-18 0125 Regional dental research center - Collagen crosslinks and the fate of extracellular matrix
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
** R01DE-03658-20 Genetic polymorphisms of saliva (human)
R01DE-03731-09 Studies on the dextran sucrase of Streptococcus sanguis
** R01DE-05672-02 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-05956-04 The adhesive of Mytilus byssus
** R01DE-06159-03 Protein inhibitors of calcium phosphate precipitation (human, mammals)
R01DE-06624-02 CAF synthesis in periodontal disease (human)
R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

PROTEINS STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PROTEINS SYNTHESIS (BIOSYNTHESIS)
SEE PROTEINS BIOSYNTHESIS

PROTEINS SYNTHESIS (CHEMICAL SYNTHESIS)
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION, PROTEINS

PROTEINS TRANSPORT
SEE ALSO PROTEIN BINDING
R01DE-04897-04 Functional development of salivary glands (rats)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)

PROTFOGLYCANS
SEE ALSO GLYCOPROTEINS
SEE ALSO PEPTIDOGLYCANS
** P50DE-02670-18 0024 Institute of dental research - Metabolism of connective tissue proteoglycans
** P50DE-02670-18 0029 Institute of dental research - Structure of connective tissue proteoglycans (cattle)
** P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
P50DE-02731-18 0032 Development support for dental research institute - Epithelial cell basal lamina biosynthesis (rats)
P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
R01DE-05092-06 Proteins involved in dentinogenesis
R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05632-04 Development of salivary gland secretory function (rats)
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06836-01 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

PROTEOGLYCANS, CHITIN
R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

PROTEOGLYCANS, MUCIN
P01DE-02847-16 0020 Microbial ecology and its relation to dental disease - Acquisition transmission and localization of human oral bacteria
R01DE-04518-08 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
** R01DE-04971-06 Structure of functional domains of salivary mucin (human, mammals)
R23DE-05393-03 Structural modulation of enamel pellicle formation
R01DE-06744-01 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06892-01 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06970-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

PROTEOLIPIDS
SEE ALSO LIPOPROTEINS
R01DE-05932-04 Role of lipoproteins in microbial calcification
** R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)

PROTEOLYSIS
P50DE-02600-18 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-18 0190 Regional dental research center - Thrombin and prothrombin

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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** R01DE-04278-09 Human saliva-streptococcal metabolic interactions
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
** R23DE-05793-03 Degradation of collagen in inflammation (human)
** R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
** R23DE-06215-03 Proteolytic activity of oral spirochetes and bacteroides (human)
R23DE-06243-02 The extracellular matrix in neural crest formation (mice, chick, rat)
R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06952-01 Enamel secretory matrix protease (cattle, rats)

PROTEOLYTIC ENZYMES
SEE PROTEASES AND PEPTIDASES

PROTHROMBIN
SEE BLOOD COAGULATION, PROTHROMBIN

PROTOPLASTIC MEMBRANE
SEE CELL COMPONENTS, PROTOPLASTIC MEMBRANE

PROTOZOA, MASTIGOPHORA, CRITHIDIA
R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

PROTOZOA, SARCODINA (GENERAL)
** R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

PROTOZOAL GENETICS
SEE GENETICS, MICROBIAL

PROTOZOAL TOXINS
SEE TOXICOLOGY, PROTOZOAL TOXINS

PROWER FACTOR
SEE BLOOD COAGULATION, FACTOR X

PSEUDODEMENTIA
SEE PSYCHOLOGY, EMOTIONS, DEPRESSION

PSYCHIC ACTIVITY LEVEL
SEE ALSO PSYCHOLOGY, MOTIVATION
** P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man

PSYCHIC ACTIVITY LEVEL, AROUSAL
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man

PSYCHIC ACTIVITY LEVEL, ATTENTION
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man

PSYCHIC ACTIVITY LEVEL, RELAXATION
R01DE-04494-07 Control of stress during dental procedures (human)
R01DE-06294-03 Effects of physiological feedback on dental fear (human)

PSYCHIC ACTIVITY LEVEL, SLEEP
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man
** R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)
R03DE-06823-01 Mercury neurotoxicity of mercury vapor in mice

PSYCHIC SHOCK
** R03DE-06690-01 Long-term follow-up of craniofacial injuries

PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO BEHAVIORAL MEDICINE
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO NEUROPHYSIOLOGY, REFLEX
SEE ALSO NEUROPSYCHOLOGY (GENERAL)*
SEE ALSO PSYCHIC ACTIVITY LEVEL
SEE ALSO PSYCHOMOTOR FUNCTION
SEE ALSO PSYCHOPHYSIOLOGIC DISORDERS
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
** P50DE-02668-18 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
R01DE-04494-07 Control of stress during dental procedures (human)
R01DE-06638-01 Complete denture service psychophysiological criteria

PSYCHOLOGIC STRESS
SEE STRESS

PSYCHOLOGICAL ADAPTATION
R03DE-06690-01 Long-term follow-up of craniofacial injuries

PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR
R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06417-01 Factors influencing long-term oral self-care (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-01 Child desensitization for dental visits (human)

PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT
SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
R01DE-06570-03 Psychosocial evaluation of craniofacial patients

PSYCHOLOGICAL IMPACT OF DISEASES OR MEDICAL PROCEDURES
SEE BEHAVIORAL MEDICINE

PSYCHOLOGICAL MODELS
SEE MODELS, PSYCHOLOGICAL MODELS

PSYCHOLOGICAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

PSYCHOLOGICAL TESTS (GENERAL)*
SEE ALSO PSYCHOMETRICS
SEE ALSO PSYCHOPHYSICS
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)

PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
** R01DE-03868-09 Children's acceptance of caries preventive procedures
R01DE-04358-08 Treatment of temporomandibular joint pain
R01DE-04494-07 Control of stress during dental procedures (human)
R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R23DE-06207-02 Patient response to student dentists affective behavior
R23DE-06208-01 Preventive services adoption in private dental practices
R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
R01DE-06417-01 Factors influencing long-term oral self-care (human)
R01DE-06656-02 Promoting adherence to a dental regimen
** R23DE-06865-01 Child desensitization for dental visits (human)
R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)
P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
N01DE-32445-02 National caries program

PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION
SEE ALSO OCCUPATIONS, JOB SATISFACTION
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
R23DE-06207-02 Patient response to student dentists affective behavior
R23DE-06865-01 Child desensitization for dental visits (human)

PSYCHOLOGY, BEHAVIOR
SEE ALSO CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR
SEE ALSO INFORMATION-COMMUNICATION BEHAVIOR
SEE ALSO PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR
SEE ALSO PSYCHOLOGY, PERSONALITY
SEE ALSO PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
SEE ALSO THERAPY COMPLIANCE
** P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, BEHAVIOR PREDICTION
R01DE-06656-02 Promoting adherence to a dental regimen

PSYCHOLOGY, COGNITION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PERCEPTION
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, COGNITION, DECISION MAKING
R01DE-06417-01 Factors influencing long-term oral self-care (human)

PSYCHOLOGY, COGNITION, EXPECTANCY
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)

PSYCHOLOGY, COGNITION, JUDGMENT
** R03DE-06793-01 Measurement of biologically based judgment in practice

PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL
** R01DE-04358-08 Treatment of temporomandibular joint pain
** R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)

PSYCHOLOGY, CONDITIONING, AVOIDANCE
R03DE-06901-01 Impact of a videotaped dental fear reduction program (human)

PSYCHOLOGY, CONDITIONING, REINFORCEMENT
R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06656-02 Promoting adherence to a dental regimen

PSYCHOLOGY, DEFENSE MECHANISMS, REPRESSION
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)

PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY
** R03DE-07042-01 Interdependence in the dentist-patient relationship

PSYCHOLOGY, EMOTIONS, ANXIETY
SEE ALSO DENTAL FEAR AND ANXIETY
R01DE-04494-07 Control of stress during dental procedures (human)
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)

PSYCHOLOGY, EMOTIONS, DEPRESSION
R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R03DE-06690-01 Long-term follow-up of craniofacial injuries
P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)

PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)
R01DE-04494-07 Control of stress during dental procedures (human)

PSYCHOLOGY, HABITS, SMOKING
SEE ALSO PYRIDINES, NICOTINE
** R03DE-06903-01 Pilot study to screen smokers over 40 for oral cancer
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

PSYCHOLOGY, MOTIVATION
SEE ALSO PSYCHIC ACTIVITY LEVEL
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
R01DE-06656-02 Promoting adherence to a dental regimen

PSYCHOLOGY, MOTIVATION, REWARDS AND NON-REWARDS
R01DE-03868-09 Children's acceptance of caries preventive procedures

PSYCHOLOGY, PERSONALITY
SEE ALSO PSYCHOLOGY, BEHAVIOR
R01DE-04358-08 Treatment of temporomandibular joint pain
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)

PSYCHOLOGY, PERSONALITY, LIFE STYLE
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)

PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
R01DE-06570-03 Psychosocial evaluation of craniofacial patients

PSYCHOLOGY, SUGGESTION
** P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, SUGGESTION, HYPNOSIS
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS
SEE ALSO SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS
** P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, LEARNING DISORDERS
** P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

PSYCHOLOGY ABNORMAL, NEUROSIS
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)

PSYCHOLOGY DEVELOPMENTAL (CHILD MENTAL DEVELOPMENT)
SEE CHILD MENTAL DEVELOPMENT

PSYCHOLOGY OCCUPATIONAL
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
SEE ALSO HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
SEE ALSO OCCUPATIONS, JOB PERFORMANCE
SEE ALSO OCCUPATIONS, JOB SATISFACTION
R23DE-06522-02 Schooling and work setting--Effects on dental hygienists

PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL...)
SEE ALSO FAMILY
** R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
** R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain

PSYCHOLOGY SOCIAL, COOPERATION
R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R23DE-06865-01 Child desensitization for dental visits (human)

PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)

PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
SEE ALSO PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT
** R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06570-03 Psychosocial evaluation of craniofacial patients

PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
** R01DE-06154-02 Effects of orthodontia on psychosocial functioning (human)

PSYCHOMETRICS
SEE ALSO PSYCHOPHYSICS
R01DE-06570-03 Psychosocial evaluation of craniofacial patients

PSYCHOMOTOR DISORDERS
** R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PSYCHOMOTOR FUNCTION
SEE ALSO NEUROMOTOR SYSTEM
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-05913-03 Experiments in management of fearful children (human)

PSYCHOPHYSICS
** R01DE-05895-03 Tooth sensation (human)
R01DE-06219-02 Facial behavior related to acute dental pain (human)

PSYCHOPHYSIOLOGIC DISORDERS
SEE ALSO BEHAVIORAL MEDICINE
M P01DE-06946-01 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)

PSYCHOPHYSIOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PSYCHOSOCIAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

PSYCHOSOMATIC DISORDERS
SEE PSYCHOPHYSIOLOGIC DISORDERS

PSYCHOTHERAPY, BEHAVIOR MODIFICATION
** R01DE-04494-07 Control of stress during dental procedures (human)
** R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-06294-03 Effects of physiological feedback on dental fear (human)
R03DE-07024-01 Oral signs and symptoms in bulimic patients

PTFE
SEE PLASTICS, FLUOROCARBON POLYMERS

PTEROYLGLUTAMIC ACID
SEE VITAMINS, FOLACINS, FOLIC ACID

PUBERTY
SEE CHILD DEVELOPMENT, PUBERTY

PUBRILE
SEE CHILDREN

PULMONARY HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

PULP
SEE DENTAL STRUCTURE, PULP

PULP DISORDERS, DENTAL
SEE DENTAL PULP DISORDERS

PULPOTOMY
SEE DENTISTRY, ENDODONTICS, PULPOTOMY

PURE LINES
SEE GENETICS, POPULATION GENETICS, INBREEDING

PURINE NUCLEOTIDES
** R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP
R01DE-06622-01 Molecular mechanisms of periodontal disease

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC
R01DE-04008-10 Cellular and developmental control of calcification (chick embryo)
** R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
P50DE-05139-07 0003 Clinical research center for periodontal disease - Polymorphonuclear leukocyte functions (human)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
R01DE-05764-05 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06115-01 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06397-02 Biochemical aspects of orofacial development
** R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06553-02 Arachidonate metabolism and orofacial development (mice)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)
R03DE-06933-01 Modulation of microvascular collagen metabolism (swine, rabbits)
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC
R01DE-04778-06 Pharmacology of submandibular gland secretion (rats)
R01DE-05249-05 Salivary secretion - role of calcium (mice)
R01DE-05550-04 Differentiation during craniofacial embryogenesis (mice)
** R01DE-06008-03 Phosphodiesterases, cGMP and salivary secretion (rats)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

PURINES, ADENINE
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

PURINES, GUANINE
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)

PURINES, XANTHINES, CAFFEINE
R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)

PURINES, XANTHINES, THEOPHYLLINE
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

PYREXIA
SEE TEMPERATURE (BODY), FEVER

PYRIDINAMIDES, NICOTINAMIDE, 6-AMINO-
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)

PYRIDINE NUCLEOTIDES
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)
R01DE-03917-09 Fluoride and the metabolism of plaque bacteria
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)
R01DE-06622-01 Molecular mechanisms of periodontal disease

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R03DE-06273-02 Cleft palate susceptibility linked to monooxygenase activity (mice)

PYRIDINES, NICOTINE
SEE ALSO PSYCHOLOGY, HABITS, SMOKING
R01DE-06420-02 Alcohol effects on bruxism (nocturnal tooth grinding)

PYRIDOXAL ANALOGS
SEE VITAMINS, VITAMIN B6, PYRIDOXAL ANALOGS

PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE
R01DE-06000-04 Effect of parotid function on saliva and cells (rats)

PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE
R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

PYRIMIDINES, CYTOSINE
R01DE-05144-05 Periodontal disease--Role of spirochetes (rabbits)

PYRIMIDINES ANALOGS, URACIL ANALOGS
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)

PYROGEN RELEASING SUBSTANCE (PRS)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

PYROPHOSPHATES
SEE PHOSPHATES, PYROPHOSPHATES

PYRUVATE KINASE
SEE PHOSPHOTRANSFERASES, ATP:PYRUVATE PHOSPHOTRANSFERASE

PYRUVATES
SEE FATTY ACIDS, PYRUVATES

QA2 ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

QUADRUPLETS
SEE FAMILY, TWINS AND MULTIPLETS

QUALITY, DIAGNOSTIC
SEE DIAGNOSTIC QUALITY-STANDARDS

QUALITY OF FOODS
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS

QUALITY OF HEALTH CARE
SEE HEALTH CARE QUALITY

QUALITY OF WATER
SEE WATER QUALITY

QUESTIONNAIRES
SEE INFORMATION GATHERING (DATA COLLECTION), QUESTIONNAIRES

QUINTUPLETS
SEE FAMILY, TWINS AND MULTIPLETS

RACEMIZATION
SEE CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION

RACIAL STOCKS
SEE SOCIAL GROUPS, RACIAL STOCKS

RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)
P50DE-02668-18 0150 Regional dental research center - Polymerization of tooth restorative composite materials

RADIATION, ELECTROMAGNETIC WAVES, X-RAYS
** R01DE-05843-03 Patient radiation doses and risks from dental x-ray

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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** R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIATION, HIGH ENERGY BEAMS
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIATION, IONIZING RADIATION
SEE ALSO RADIATION, ELECTROMAGNETIC WAVES, X-RAYS
SEE ALSO RADIATION, HIGH ENERGY BEAMS
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIATION DOSAGE AND DOSIMETRY
** R01DE-05843-03 Patient radiation doses and risks from dental x-ray
** R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIATION EFFECTS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION
SEE ALSO NEOPLASMS, RADIATION INDUCED
SEE ALSO RADIATION SENSITIVITY
** R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** P50DE-07003-01 0009 Rochester caries research center - Radiation-induced xerostomia and caries parameters (humans)

RADIATION HAZARDS
SEE RADIOLOGICAL HEALTH, RADIATION HAZARDS

RADIATION IMMUNOSUPPRESSION
SEE IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION

RADIATION INDUCED NEOPLASMS
SEE NEOPLASMS, RADIATION INDUCED

RADIATION SENSITIVITY
** R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIATION STUDY SECTION
** R01DE-05843-03 Patient radiation doses and risks from dental x-ray
** R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIO
SEE INFORMATION DISSEMINATION, RADIO

RADIOASSAY (RADIOMETRY)
SEE ALSO RADIOAUTOGRAPHY*
R01DE-03180-14 Microbiologic studies of the human oral streptococci (also rabbits)

RADIOAUTOGRAPHY*
P50DE-02670-18 0035 Institute of dental research - Granulocyte growth and division (mammals)

RADIOBIOLOGY (GENERAL)
SEE RADIATION EFFECTS

RADIODIAGNOSIS AND RADIODIAGNOSTIC METHODS
R01DE-05843-03 Patient radiation doses and risks from dental x-ray

RADIODIAGNOSTIC METHODS
SEE RADIODIAGNOSIS AND RADIODIAGNOSTIC METHODS

RADIOGRAPHY, CONTRAST MEDIA*
** R01DE-06170-02 Radiopaque restorative and prosthetic dental resins

RADIOGRAPHY, MICRORADIOGRAPHY*
R03DE-06969-01 Real time high resolution dental microradiography

RADIOGRAPHY, SCANNING, CAT*
SEE ALSO RADIOGRAPHY, SCANNING, DSR
R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIOGRAPHY, SCANNING, DSR
** R01DE-03703-08 Integrated three-dimensional craniofacial measurement (human)
** R03DE-06465-02 Effect of vital apicoectomy on the dental tissues (monkeys)
** R03DE-06475-02 Automated immunofluorescent speciation of oral bacteria (rabbits)

RADIOGRAPHY, TOMOGRAPHY*
SEE ALSO RADIOGRAPHY, SCANNING, CAT*
** P01DE-06946-01 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint
R03DE-06969-01 Real time high resolution dental microradiography

RADIOGRAPHY, XEROGRAPHY
** R01DE-06379-02 Dental xeroradiography--Clinical investigaiton

RADIOIMMUNOASSAY
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*

RADIOLOGICAL HEALTH, RADIATION HAZARDS
SEE ALSO NEOPLASMS, RADIATION INDUCED
** R01DE-05843-03 Patient radiation doses and risks from dental x-ray
R01DE-05844-03 Patient radiation doses and risks from dental x-ray

RADIOMETRY
SEE RADIOASSAY (RADIOMETRY)

RADIOSENSITIVITY
SEE RADIATION SENSITIVITY

RAMAN SPECTRA
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, RAMAN*

RAPHE NUCLEUS, DORSAL
SEE BRAIN, MESENCEPHALON, RAPHE NUCLEUS, DORSAL

RARE GAS ELEMENTS
SEE GAS ELEMENTS, INERT

RATE OF ADMINISTRATION, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

RATS (LABORATORY)
SEE MAMMALS, RODENTS, MYOMORPHA, RATS (LABORATORY)*

REACTION DYNAMICS, KINETICS, MECHANISMS
SEE CHEMICAL REACTIONS (DYNAMICS)

REACTION SITES, CHEMICAL
SEE CHEMICAL REACTION SITES

REAGENTS
SEE INDICATORS AND REAGENTS

RECEPTOR SITES, ENZYMES
SEE ENZYME STRUCTURE

RECEPTORS OF SENSORY STIMULI
SEE NERVOUS SYSTEM, AFFERENT NERVES

RECOMBINANT DNA, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

RECOMBINATION
SEE GENETICS, RECOMBINATION

RECONSTITUTION OF MEMBRANES
SEE MEMBRANE SYNTHESIS AND RECONSTITUTION

RECORDING AND RECORDING SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, ELECTRONIC RECORDING SYSTEMS

RECURRENCE OF DISEASE
SEE DISEASE RECURRENCE

REDOX
SEE OXIDATION-REDUCTION

REFERRAL CENTERS, BIOMEDICAL
SEE BIOMEDICAL REGISTRIES AND REFERRAL CENTERS

REFERRAL CENTERS, IMMUNOLOGICAL PREPARATIONS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

REFLEX
SEE NEUROPHYSIOLOGY, REFLEX

REFRACTOMETRY NON-OCULAR
SEE OPTICS, REFRACTOMETRY NON-OCULAR*

REGENERATION
SEE GROWTH AND DEVELOPMENT, REGENERATION

REGENERATION, BONE
SEE SKELETAL SYSTEM REGENERATION, BONE REGENERATION

REGENERATION, NERVOUS SYSTEM
SEE NERVOUS SYSTEM REGENERATION

REGENERATION, SKELETAL
SEE SKELETAL SYSTEM REGENERATION

REGISTRIES, BIOMEDICAL
SEE BIOMEDICAL REGISTRIES AND REFERRAL CENTERS

REGISTRIES, CELL CULTURE
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

REGISTRIES, DISEASE (CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

REGISTRIES, IMMUNOLOGICAL PREPARATIONS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

REGISTRIES, INFORMATION
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

REGISTRIES, PATIENT (OR CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

REGULATION (SELF) OF (VISCERAL) RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

REINFORCEMENT (CONDITIONING)
SEE PSYCHOLOGY, CONDITIONING, REINFORCEMENT

RELAXATION, MUSCLE
SEE MUSCLE FUNCTION, MUSCLE RELAXATION

RELAXATION, PSYCHIC
SEE PSYCHIC ACTIVITY LEVEL, RELAXATION

REMEDIAL TRAINING
SEE EDUCATION, SPECIAL (REMEDIAL)

REMOTE SENSORS
SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING

RENAL HYPOPHOSPHATEMIA
SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

RENAL TUBULAR TRANSPORT
SEE KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT

REPLICATION
SEE GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS

REPLICATION, VIRAL
SEE VIRUS DEVELOPMENT, REPLICATION

REPRESSION (PSYCHOLOGY)
SEE PSYCHOLOGY, DEFENSE MECHANISMS, REPRESSION

REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02731-18 0019 Development support for dental research institute - Structure and maintenance of extrachromosomal DNA in streptococci

REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY
** R01DE-07168-01 Membrane function during germination of Candida albicans (mice)

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION
** P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
P50DE-02668-18 0215 Regional dental research center - Osteopenia--Fators influencing development and recovery (rats)
R01DE-05628-05 Interaction between fluoride and other dietary minerals (rats)
** R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)

REPRODUCTIVE SYSTEM FEMALE, OVARY
R01DE-04511-09 Stability of differentiation--Craniofacial study (mice, human, hamsters)

RESEARCH BIOMEDICAL
SEE HEALTH SCIENCES RESEARCH (GENERAL)*

RESEARCH FACILITIES
SEE CLINICAL RESEARCH CENTERS

RESINS
SEE MOLECULAR CONDENSATIONS, RESINS

RESORPTION OF BONE, ABNORMAL
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

RESORPTION OF BONE, NORMAL
SEE SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC

RESORPTION OF TEETH
SEE DENTAL DISORDERS, TOOTH RESORPTION

RESOURCES, IMMUNOLOGICALS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

RESPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

RESPIRATORY AIRFLOW DISORDERS
SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS

RESPIRATORY AIRFLOW MEASUREMENTS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

RESPIRATORY ANESTHESIA (INHALATION ANESTHESIA)
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

(a) Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
** R01DE-06881-02 Oral facial morphology and breathing--Quantitative studies (human)
** R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)

RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*
R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)

RESPIRATORY FUNCTION
SEE ALSO INFORMATION-COMMUNICATION BEHAVIOR, SPEECH
R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)

RESPIRATORY FUNCTION, RESPIRATION
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R01DE-06581-02 Oral facial morphology and breathing--Quantitative studies (human)

RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY
R01DE-06216-02 Gene-environment interactions in cleft lip mice (monkeys)

RESPIRATORY GAS LEVELS, OXYGEN TENSION
P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
** P01DE-06946-01 0012 Pathophysiology of MPD and other facial pain syndromes - Oxygen concentration and pH of masseter muscle (human)

RESPIRATORY GASES, CARBON DIOXIDE
R01DE-05354-07 Prevention of dental caries (rats, human)

RESPIRATORY GASES, OXYGEN
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)
R03DE-06272-01 Oxygen and sodium iodoacetate induced craniofacial defects (mice)

RESPIRATORY HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

RESPIRATORY NEOPLASMS
SEE NEOPLASMS OF RESPIRATORY SYSTEM

RESPIRATORY SYSTEM, LUNG ALVEOLUS
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

RESPONSE
SEE STIMULUS-RESPONSE (GENERAL)

RESTRICTION ENDONUCLEASES
SEE NUCLEASES, ENDONUCLEASES (GENERAL)

RETICULAR DYSGENESIS
SEE IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS

RETICULAR FORMATION
SEE BRAIN, RETICULAR FORMATION

RETICULOENDOTHELIAL SYSTEM
SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)

RETINAL
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINALDEHYDE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINENE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINOIC ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

RETINOIDS
SEE VITAMINS, VITAMIN A ANALOGS

RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

ALL-TRANS RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

RETINYL ACETATE
SEE VITAMINS, VITAMIN A ANALOGS

RETRIEVAL, INFORMATION
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

REVASCULARIZATION SURGICAL
SEE CARDIOVASCULAR SURGERY, REVASCULARIZATION SURGICAL

REWARDS AND NON-REWARDS
SEE PSYCHOLOGY, MOTIVATION, REWARDS AND NON-REWARDS

RGV-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

RHEOLOGY AIR
SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

RHEOLOGY LIQUIDS
SEE CARDIOVASCULAR FUNCTION, BLOOD FLOW

RHEUMATOID ARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID

RHINITIS
SEE NASAL DISORDERS, RHINITIS

RHIZOPODA
SEE PROTOZOA, SARCODINA (GENERAL)

RHL-A LOCUS (RHESUS MONKEY)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

RI-1 LOCUS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

RIBONUCLEIC ACID(S)
SEE NUCLEIC ACIDS, RNA

RIBONUCLEIC ACID POLYMERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

RIBONUCLEIC ACIDS REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RIBONUCLEOSIDE TRIPHOSPHATE RNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

RIBONUCLEOSIDES MONO-, DI-, TRIPHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBONUCLEOSIDES PHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBONUCLEOTIDES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBOSE
SEE PENTOSES, RIBOSE

RIBOSOMES
SEE CELL COMPONENTS, RIBOSOMES

RICKETS
SEE SKELETAL DISORDERS, BONE METABOLISM, RICKETS

RICKETS, VITAMIN D RESISTANT
SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

RISK, DISEASE PRONENESS
SEE DISEASE PRONENESS-RISK

RL-A LOCUS (RABBIT)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

RNA
SEE NUCLEIC ACIDS, RNA

RNA BIOSYNTHESIS
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

RNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

RNA POLYMERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

RNA REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RNA VIRAL
SEE NUCLEIC ACIDS, RNA VIRAL

RODENTS
SEE MAMMALS, RODENTS*

RODS, GRAM-NEGATIVE
SEE BACTERIA, GRAM-NEGATIVE*

RODS, GRAM-POSITIVE
SEE BACTERIA, GRAM-POSITIVE*

ROLE MODELS OF BEHAVIOR
SEE MODELS, PSYCHOLOGICAL MODELS

ROLE MODELS IN SOCIETY
SEE MODELS, SOCIAL MODELS

ROOT CANAL FILLING MATERIALS
SEE DENTAL MATERIALS, ROOT CANAL FILLING MATERIALS

ROOT CANAL THERAPY
SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY

S
SEE SULFUR (COMPOUNDS) --SEE ALSO THI

S REGION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

SACCHARIN
SEE FOOD, SWEETENING AGENTS

SAFETY OF MEDICAL EQUIPMENT
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

SALICYLATES
SEE PHENYLCARBOXYLATES, SALICYLATES

SALIVA
SEE ORAL-PHARYNGEAL, SALIVA

SALIVARY GLANDS
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS

SALIVARY GLAND DISORDERS
SEE ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS

SALIVARY GLAND NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, SALIVARY GLAND NEOPLASMS

SALIVARY GLAND VIRUSES
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

SALIVATION
SEE ORAL-PHARYNGEAL, SALIVATION

SALMONELLA
SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA*

SALMONELLA-MICROSOME TEST FOR MUTAGENS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

SALMONELLA TYPHIMURIUM
SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA TYPHIMURIUM*

SALTS
SEE CHEMICALS (GENERAL), SALTS (GENERAL)

SALTS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS

SARCODINA
SEE PROTOZOA, SARCODINA (GENERAL)

SARCOMA GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

SARCOMERES
SEE MUSCLE CELLS, SARCOMERES

SATISFACTION
SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

SCALLOPS
SEE MOLLUSKS, PELECYPODS*

SCANDINAVIAN COUNTRIES
SEE GEOGRAPHICAL SITES, EUROPE, SCANDINAVIAN COUNTRIES

SCANNING, CAT (EMI) (ACTASCAN)
SEE RADIOGRAPHY, SCANNING, CAT*

SCANNING-PRODUCED MOTION IMAGES
SEE RADIOGRAPHY, SCANNING, DSR

SCARLET FEVER
SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS

SCARS
SEE INJURIES, SCARS

SCHEDULE, DOSAGE
SEE DOSAGE AND ROUTE, DOSAGE

SCHIFF BASES
SEE IMINES, SCHIFF BASES

SCHOOL HEALTH (SERVICES)
SEE HEALTH CARE SERVICES, STUDENT HEALTH SERVICES

SCHOOLS
SEE EDUCATION, SCHOOLS

SCLERODERMA
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA

SCREENING
SEE DRUGS SCREENING

SCREENING, TOXICOLOGICAL
SEE TOXICOLOGY, TOXICANT SCREENING

SE
SEE METALS, METALLOIDS, SELENIUM (COMPOUNDS)

SEAFOOD
SEE FOOD, SEAFOOD

SEALANTS, DENTAL
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

BEST COPY AVAILABLE

SECONDARY EDUCATION
SEE EDUCATION, SCHOOLS, SECONDARY

SECRETION OF CELL WASTES
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION

SECRETORY IMMUNOGLOBULIN A
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SECRETORY MECHANISMS
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS

SECRETORY (ANTIBODY) (FACTOR) SYSTEM
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SEDATIVES
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SELENIUM (COMPOUNDS)
SEE METALS, METALLOIDS, SELENIUM (COMPOUNDS)

SELF-CARE MODELS
SEE MODELS, HEALTH CARE MODELS

SELF-CONCEPT
SEE PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT

SELF REGULATION (CONTROL) OF AUTONOMIC (VISCERAL) RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

SENIOR CITIZENS
SEE AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)

SENSE ORGANS, MECHANORECEPTORS
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION
R01DE-05895-03 Tooth sensation (human)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)
R01DE-06725-01 Anatomical studies of sensory trigeminal nuclei (rats)

SENSORIMOTOR SYSTEMS (GENERAL)
SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

SENSORY DEPRESSION, ANALGESIA
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANALGESICS
** R01DE-05369-06 Factors affecting dental postoperative pain (human)
** R01DE-06682-02 CNS modulation of orofacial input (rats, cats)

SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA
** P01DE-06946-01 0018 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)

SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

SENSORY DEPRESSION, ANESTHESIA DENTAL
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man
R01DE-06427-03 Permeability characteristics of dentin (dogs, human)

SENSORY DISORDERS AND LANGUAGE STUDY SECTION
** R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)

SENSORY FEEDBACK
R01DE-04358-08 Treatment of temporomandibular joint pain

SENSORY MECHANISMS (GENERAL)
SEE SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)

SENSORY NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES

SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS
R23DE-05827-03 Modifying effects of saliva and age on taste perception

SENSORY-PERCEPTUAL DISORDERS, TASTE DISORDERS
R23DE-05827-03 Modifying effects of saliva and age on taste perception

SENSORY-PERCEPTUAL PROCESSES, BODY IMAGE
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)

SENSORY-PERCEPTUAL PROCESSES, DISCRIMINATION
** P01DE-06946-01 0003 Pathophysiology of MPD and other facial pain syndromes - Sensory discrimination analysis (human)
** P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)

SENSORY-PERCEPTUAL PROCESSES, IMAGERY
** P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

SENSORY-PERCEPTUAL PROCESSES, PAIN
SEE ALSO DENTAL PAIN
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO ORAL-FACIAL PAIN
SEE ALSO ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME
SEE ALSO SENSORY DEPRESSION, ANALGESIA
** R01DE-04786-07 Dental and orofacial pain--Brain stem mechanisms (cats)
** R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)

SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE
P01DE-05130-05 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials (Macaca)
P01DE-05130-05 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05369-06 Factors affecting dental postoperative pain (human)
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06219-02 Facial behavior related to acute dental pain (human)
R01DE-06294-03 Effects of physiological feedback on dental fear (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06585-02 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)
** P01DE-06946-01 0003 Pathophysiology of MPD and other facial pain syndromes - Sensory discrimination analysis (human)
** P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)
P01DE-06946-01 0013 Pathophysiology of MPD and other facial pain syndromes - Beta-endorphin levels in MPD syndrome patients (human)
P01DE-06946-01 0018 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)

SENSORY-PERCEPTUAL PROCESSES, PERCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, DISCRIMINATION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, IMAGERY
** R23DE-05827-03 Modifying effects of saliva and age on taste perception

SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
** R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)

SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
P01DE-05130-05 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and ofofacial pain in man

SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS
SEE BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PAIN
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION
** P50DE-02668-18 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
R23DE-06027-03 Kinesthetic mechanisms in the trigeminal system (cats)

SENSORY-PERCEPTUAL PROCESSES, TASTE
SEE ALSO SENSORY-PERCEPTUAL DISORDERS, TASTE DISORDERS
** R23DE-05827-03 Modifying effects of saliva and age on taste perception

SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD
R03DE-06825-01 Central nervous system control of Von Ebner's glands (rats)

SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
P50DE-02668-18 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

SENSORY-PERCEPTUAL PROCESSES, TOUCH
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION
P50DE-02668-18 0199 Regional dental research center - Mechanisms governing the behavior of somatosensory cerebral cortical neurons (pri
P50DE-02668-18 0200 Regional dental research center - Response of mechanoreceptive afferents to moving tactile stimuli (monkeys, human)
** P50DE-02668-18 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
** P50DE-02668-18 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)

SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
R03DE-06968-01 Vibratory stimulation of jaw muscles and bite force (human)

SENSORY THRESHOLDS
SEE ALSO SENSORY DEPRESSION, ANALGESIA
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD
P50DE-02668-18 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
R23DE-05827-03 Modifying effects of saliva and age on taste perception

SERINE
SEE AMINO ACIDS, SERINE

SEROLOGY
SEE IMMUNOLOGY, SEROLOGY*

SEROTONIN
SEE BENZOPYRROLES, SEROTONIN

SEROTYPES, SEROTYPING
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING

SERRATIA MARCESCENS
SEE BACTERIA, ENTEROBACTERIACEAE, SERRATIA MARCESCENS*

SERUM
SEE BLOOD AND RE SYSTEM, BLOOD SERUM

SERUM PROTEINS
SEE BLOOD PROTEINS

SERVOMECHANISMS (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

SERVOMECHANISMS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

SEX
SEE ALSO REPRODUCTION, MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY
P01DE-02847-16 0021 Microbial ecology and its relation to dental disease - Acquisition, transmission and localization of human oral bacteria (rodents)
P50DE-07003-01 0008 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

SEX, FEMALE
SEE ALSO CHILD DEVELOPMENT, PUBERTY
SEE ALSO PREGNANCY
SEE ALSO PREGNANCY DISORDERS
R23DE-06033-03 Osteoporosis and oral changes in older women

SEX, SEX DIFFERENCE
P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors
P01DE-03810-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
R01DE-05505-05 Periodontitis and host defense in juvenile diabetes (human)
R01DE-05669-04 Chorion type and dental morphology in twins (human)
R01DE-06031-02 Population genetics of the Streptococcus mutans complex (human)

(cntd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to abuse subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
R03DE-06690-01 Long-term follow up of craniofacial injuries
R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis
R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

SEX DIFFERENCE
SEE SEX, SEX DIFFERENCE

SEXUAL DIMORPHISM (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

SEXUALLY TRANSMITTED DISEASES
SEE COMMUNICABLE DISEASES, SEXUALLY TRANSMITTED

SF ANTIGEN
SEE GLYCOPROTEINS, FIBRONECTIN

SHOCK, EMOTIONAL, PSYCHIC
SEE PSYCHIC SHOCK

SHORT-TERM MODULATION, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SI
SEE SILICON

SIALIC ACIDS
SEE SUGAR ACIDS, SIALIC ACIDS

SIALIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

SIBLING ORDER, POSITION
SEE FAMILY, SIBLING ORDER

SICCA SYNDROME
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

SIGNS AND SYMPTOMS (NOT GROUPED ELSEWHERE)
SEE DISEASES, SIGNS-SYMPTOMS (NOT GROUPED ELSEWHERE)

SILASTIC
SEE PLASTICS, SILICONE RUBBER

SILICATES
R01DE-06409-02 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters/man human)

SILICATES, CERAMICS
** R03DE-07045-01 Fatigue of ceramics in a simulated oral environment

SILICATES, GLASS
R01DE-05460-04 Bonding of dental porcelain to non-precious alloys
R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study

SILICON
R01DE-05839-02 In vivo vs in vitro cement solubility--Correlative study
R01DE-06730-01 Dental implant surfaces impeding epithelial migration (rats)

SILICONE RUBBER
SEE PLASTICS, SILICONE RUBBER

SILVER (COMPOUNDS)
SEE METALS, HEAVY METALS, SILVER (COMPOUNDS)

SINGLE CELL ANALYSIS
SEE CELLS, SINGLE CELL ANALYSIS

SINGLE UNIT (CELL) ANALYSIS
SEE CELLS, SINGLE CELL ANALYSIS

SINGLE UNIT TRAINING (AUTOGENIC)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

SINGLET STATE
SEE ELECTRONIC SPECTRA, SINGLET STATE

SINUSES (PARANASAL)
SEE NASAL, PARANASAL SINUSES

SISTER CHROMATID EXCHANGE
SEE GENETICS, RECOMBINATION, SISTER CHROMATID EXCHANGE

SJOGREN'S SYNDROME
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

SKELETAL DISORDERS, ARTHRITIS
P50DE-02731-18 0001 Development support for dental research institute - Functional disturbances of the masticatory system (human)
R01DE-03738-12 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY
R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS
R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)
P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-01 0010 Pathophysiology of MPD and other facial pain syndromes - Study of the partial denervated temporomandibular joint (rabbits)

SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES
R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R23DE-06222-03 Weak acid inhibition of oral bacteria (human)
R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)

SKELETAL DISORDERS, BONE DISORDERS (GENERAL)
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)

SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO CALCIUM (MINERAL) IMBALANCES
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS DANLOS SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
P01DE-01850-21 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)

SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02668-18 0215 Regional dental research center - Osteopenia--Fators influencing development and recovery (rats)
P50DE-02670-18 0020 Institute of dental research - Nutrition--Disease proneness during dental development
** R23DE-06033-03 Osteoporosis and oral changes in older women
R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)

SKELETAL DISORDERS, BONE METABOLISM, RICKETS
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
** R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

SKELETAL DISORDERS, BONE RESORPTION ABNORMAL
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS
** P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resorption
P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
** R01DE-03420-12 Immune phenomena in experimental periodontal disease (rats)
** R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
P50DE-0488 -08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
R01DE-05123-07 Periodontopathic bacteria--Chemical-biologic nature (rodents)
** R01DE-05255-06 Regulation of collagenase and bone resorption (mice, chick embryo)
** R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
** R23DE-06066-02 Orally induced suppression in periodontal disease (rabbits, rats)
** R03DE-06364-02 Endotoxin-macrophage cell interaction in bone resorption (mice)
** R01DE-06624-02 OAF synthesis in periodontal disease (human)
R03DE-06681-02 Electron microprobe study of bone resorption (rats)
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)
R01DE-07128-01 Microbiology of ligature-induced periodontitis (monkeys)
R01DE-07267-01 Periodontopathic bacteria--Chemical-biologic nature (rodents)

SKELETAL DISORDERS, CARTILAGE DISORDERS
P01DE-06946-01 0009 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)

SKELETAL DISORDERS, JOINT DISORDERS
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO SKELETAL DISORDERS, ARTHRITIS
SEE ALSO SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS
** R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)
** R01DE-06856-01 Arthrophonometry of the temporomandibular joint (human)
** R03DE-06927-01 Malocclusion and temporomandibular joint dysfunction (children)

SKELETAL DISORDERS, ORTHOPEDICS
SEE ALSO DENTISTRY, ORTHODONTICS
SEE ALSO ORAL-FACIAL RESTORATION
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

SKELETAL DISORDERS, ORTHOPEDICS, ARTHROPLASTY
R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)

SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
SEE ALSO CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC
R01DE-06852-03 Hydroxyapatite remineranization--The role of fluoride
** R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL DISORDERS CHEMOTHERAPY
SEE ALSO CALCIFICATION ENHANCING AGENTS
SEE ALSO CALCIFICATION INHIBITORS
SEE ALSO SKELETAL PHARMACOLOGY
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** P01DE-06946-01 0014 Pathophysiology of MPD and other facial pain syndromes - Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human)

SKELETAL DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)

SKELETAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*
** P01DE-03568-10 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-10 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
M P01DE-05837-04 Growth, surgical, and speech aspects of cleft palate
P01DE-05837-04 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
R23DE-06033-03 Osteoporosis and oral changes in older women

SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*
** R03DE-06819-0 TMJ clicking related to orthodontic therapy
** R01DE-06856-0 Arthrophonometry of the temporomandibular joint (human)

SKELETAL MOVEMENT, HEAD MOVEMENT
** R03DE-06813-01 Digastric and lateral pterygoid muscle function

SKELETAL MOVEMENT, POSTURE
R01DE-05215-06 Influences on stability following orthognathic surgerya (human)
R01DE-06881-02 Oral facial morphology and breathing--quantitative studies (human)

SKELETAL MUSCLE
SEE MUSCLES, STRIATED MUSCLE

*Excludes routine methodology. Title covers only general projects which preclude indexing of the specific deve...
**Oriented significantly to known subject

M Grant has ... See Appendix ...

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SKELETAL PHARMACOLOGY
SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
R23DE-06033-03 Osteoporosis and oral changes in older women

SKELETAL SOUND MEASUREMENTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SKELETAL STRESS
** R01DE-04531-07 Strain in the facial bones (monkeys)

SKELETAL SYSTEM (GENERAL)
SEE ALSO MUSCLES
** P01DE-01850-21 0090 Nutritional sources and metabolic roles of fluoride - Effect of skeletal fluoride load on retention of administered fluoride (rats)
R23DE-06618-01 Properties of motor units in human mandibular muscles

SKELETAL SYSTEM, BONE
SEE ALSO SKELETAL SYSTEM (GENERAL)
** R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
P01DE-01850-21 0088 Nutritional sources and metabolic roles of fluoride - Determining ionic fluoride content of human plasma
** P01DE-01850-21 0089 Nutritional sources and metabolic roles of fluoride - Fluoride and glycosaminoglycans in bone (rats)
** P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
R01DE-02953-13 The developmental biology of calcified tissues (rats)
R01DE-05030-06 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05262-05 Mineralization in oral biology (mice, rats)
** R13DE-06995-01 Gordon research conference on the bones and teeth (New Hampshire)

SKELETAL SYSTEM, BONE, PERIOSTEUM
** R01DE-04226-08 Subperiosteal oral implants (monkeys)

SKELETAL SYSTEM, BONE CELLS
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS
P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)
R01DE-06165-02 Cell biology of periodontal ligament fibroblast
R23DE-06766-01 Surgical regeneration of the periodontium (dogs)
R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02623-17 0034 Center for oral health research - Bacterial components inducing bone resroption
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)
** R01DE-04345-09 Cell biology of osteoclasts (chickens)
** R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
** R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
P50DE-04898-08 0001 Periodontal disease research center - Microbiology (human)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
** R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)
R03DE-06681-02 Electron microprobe study of bone resorption (rats)
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
** R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

SKELETAL SYSTEM, BONE DENSITY
** P50DE-02668-18 0215 Regional dental research center - Osteopenia--Fators influencing development and recovery (rats)
R23DE-06033-03 Osteoporosis and oral changes in older women
R03DE-06969-01 Real time high resolution dental microradiography

SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
** P50DE-02668-18 0029 Regional dental research center - Acid phosphatases in developing bones and teeth (rats)
** R01DE-02862-17 Growth and development of the human head
M P01DE-03568-10 Craniofacial anomalies--Etiology and treatment
M P01DE-03610-18 Craniofacial growth and development
** P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
** P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
** P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
** R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
** R01DE-05574-04 Neural aspects of craniofacial morphogenesis (frogs)
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-06040-03 Polyamines and palatal development (rabbits)
R03DE-06907-01 Osteogenic potential of DBP and hydroxylapatite in dogs

SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO SKELETAL SYSTEM REGENERATION, BONE REGENERATION
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** R01DE-02953-13 The developmental biology of calcified tissues (rats)
** R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
** R03DE-06907-01 Osteogenic potential of DBP and hydroxylapatite in dogs

SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL
SEE ALSO CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC
P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-02525-19 Ultrastructural histopathology of human dental enamel
** P50DE-02623-17 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-18 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02668-18 0215 Regional dental research center - Osteopenia--Fators influencing development and recovery (rats)
M P50DE-02670-18 Institute of dental research
** P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
** R01DE-04141-10 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04345-09 Cell biology of osteoclasts (chickens)
R01DE-04385-09 Mechanism of dental caries (human)
R01DE-05780-03 Development and mineralization of enamel in teeth
** R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
** R01DE-06552-03 Hydroxyapatite remineralization--The role of fluoride
R01DE-06564-03 Remineralization of enamel caries in vitro (human)
** R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R03DE-06821-01 Regulation of bone cells three-dimensional culture models (mice)
** R03DE-06969-01 Real time high resolution dental microradiography

SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
SEE ALSO SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS
P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
P01DE-01850-21 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P50DE-02600-18 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02668-18 0215 Regional dental research center - Osteopenia--Fators influencing development and recovery (rats)
P01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-04345-09 Cell biology of osteoclasts (chickens)
** R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
** R01DE-05558-04 Sensory alterations of craniofacial form (monkeys)
** R01DE-05623-03 Bacterial products and bone metabolism (rats)
R01DE-06007-02 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06065-04 The role of lymphoid cells in alveolar bone resorption (rats)
** R03DE-06681-02 Electron microprobe study of bone resorption (rats)
R01DE-06923-02 Biochemistry of tooth eruption, movement and resorption (rats)
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

SKELETAL SYSTEM, CARTILAGE
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
** P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R01DE-05262-05 Mineralization in oral biology (mice, rats)

SKELETAL SYSTEM, CARTILAGE, ARTICULAR CARTILAGE
R01DE-02953-13 The developmental biology of calcified tissues (rats)

SKELETAL SYSTEM, CARTILAGE CELLS
P50DE-02731-18 0031 Development support for dental research institute - Chemistry and physiology of proteoglycans and collagen of connective tissues (hum
R01DE-04327-09 Mechanical and electrical effects on osteogenesis (rats)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-06533-02 Vesicles and endochondral bone formation (chickens)
R01DE-06886-01 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
** P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
** P01DE-03610-18 0018 Craniofacial growth and development - Function and growth of the temporomandibular joint (monkeys, humans)
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
** R23DE-06982-01 Biomechanical influences on condylar cartilage growth (rats)

SKELETAL SYSTEM, JOINT, KNEE
** R23DE-06118-02 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

SKELETAL SYSTEM, LIGAMENT
R01DE-03745-13 Ultrastructure of experimental periodontitis (sheep, rats)

SKELETAL SYSTEM, LIMB, HAND
P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)

SKELETAL SYSTEM, LIMB BONES, TIBIA
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

SKELETAL SYSTEM, SKULL
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO NASAL, NOSE
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL-PHARYNGEAL, JAW

(contd)

*Excludes routine methodology; OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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SEE ALSO ORAL-PHARYNGEAL, PALATE
** P50DE-02668-18 0196 Regional dental research center - Cytochemical demonstration of macromolecules of craniofacial tissue (mice)
R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
M P01DE-03610-18 Craniofacial growth and development
** P01DE-03610-18 0016 Craniofacial growth and development - Craniofacial shape change and oral development (human)
** R01DE-03703-08 Integrated three-dimensional craniofacial measurement (human)
R01DE-04531-07 Strain in the facial bones (monkeys)
** R01DE-05232-06 Effect of surgical intervention on craniofacial growth (monkeys)
** R01DE-05574-04 Neural aspects of craniofacial morphogenesis (frogs)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
** R01DE-06225-02 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-06632-02 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R03DE-06690-01 Long-term follow-up of craniofacial injuries
R03DE-06817-01 Maxillary expansion using laser speckle grammetry (human)
P01DE-06946-01 0022 Pathophysiology of MPD and other facial pain syndromes - Improved radiologic examination of the temporomandibular joint
** P01DE-07120-01 Cell-substrate interaction in craniofacial morphogenesis

SKELETAL SYSTEM, SKULL, CRANIAL SUTURES
** R01DE-05379-04 Morphogenesis and maturation of craniofacial sutures (animals)
** R23DE-06909-02 Experimentally induced premature craniosynostosis (rabbits)

SKELETAL SYSTEM, SYNOVIAL FLUID
R01DE-05659-03 Surgical and radiographic evaluation of the temporomandibular joint (human)

SKELETAL SYSTEM, TENDONS
SEE ALSO MUSCLES
R01DE-02953-13 The developmental biology of calcified tissues (rats)
** P01DE-06946-01 0011 Pathophysiology of MPD and other facial pain syndromes - X-ray analysis of muscle and tendon in normal and fatigued states (rat, human)

SKELETAL SYSTEM CIRCULATION
R01DE-05605-04 The humoral regulation of pulp circulation (rats, dogs)

SKELETAL SYSTEM REGENERATION
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

SKELETAL SYSTEM REGENERATION, BONE REGENERATION
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS
R01DE-04890-06 Systematic plaque control - healing following periodontal surgery (human)
R01DE-06250-02 Histologic evaluation of new attachments in humans
R03DE-06907-01 Osteogenic potential of DBP and hydroxylapatite in dogs

SKELETAL TISSUE PRESERVATION, BONE
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

SKELETAL TISSUE TRANSPLANTATION
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKELETAL TISSUE TRANSPLANTATION, BONE
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
R01DE-06250-02 Histologic evaluation of new attachments in humans
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKELETAL TISSUE TRANSPLANTATION, CARTILAGE
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKIN (GENERAL)
SEE ALSO FIBROUS PROTEINS, KERATIN
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR
P50DE-02670-18 0003 Institute of dental research - Biochemistry of collagenous and noncollagenous proteins of connective tissues
R01DE-03318-13 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-04660-09 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05404-06 Dental pain--Trigeminal nucleus caudalis (cats)
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
** R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)
R23DE-06849-02 Identification of intraoral mucosal wound hyaluronidase (rabbits)

SKIN DISORDERS, ACANTHOSIS NIGRICANS
** R01DE-06076-02 Pathobiology of oral mucosa (rabbits)

SKIN DISORDERS, KELOID
SEE ALSO INJURIES, SCARS
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

SKIN DISORDERS, SKIN HYPERSENSITIVITY, ERYTHEMA MULTIFORME
R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)

SKIN DISORDERS, SKIN HYPERSENSITIVITY, LICHEN PLANUS
R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)

SKIN DISORDERS, SKIN HYPERSENSITIVITY, PEMPHIGUS
R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)

SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA
R01DE-06671-02 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

SKIN DISORDERS, SKIN KERATOSIS
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
R01DE-06120-03 Proliferation of mucosal and skin keratinocytes in vitro (mice)

SKIN NEOPLASMS
SEE NEOPLASMS, OF SKIN

SKIN PIGMENTATION
SEE PIGMENTATION

SKULL
SEE SKELETAL SYSTEM, SKULL

SKULL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

SL-A LOCUS (PIG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

SLEEP
SEE PSYCHIC ACTIVITY LEVEL, SLEEP

SLIME, BACTERIAL
SEE BACTERIAL CAPSULE

SLIME-MOLD LECTINS
SEE PROTEINS, LECTINS (NON-PLANT)

SLOW RELEASE DENTAL CARIES INHIBITORS
SEE DENTAL CARIES INHIBITORS, SLOW RELEASE

SLOW RELEASE PREPARATIONS (DRUGS)
SEE DRUGS, SLOW RELEASE PREPARATIONS

SMALL CELL CARCINOMA OF LUNG
SEE NEOPLASMS, OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA

SMALL LYMPHOCYTE DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

SMOKING TOBACCO
SEE PSYCHOLOGY, HABITS, SMOKING

SN
SEE METALS, HEAVY METALS, TIN (COMPOUNDS)

SO ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

SOCIAL ADJUSTMENT
SEE PSYCHOLOGY, SOCIAL, SOCIAL ADJUSTMENT

SOCIAL BEHAVIOR
SEE PSYCHOLOGY, SOCIAL, SOCIAL BEHAVIOR

SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS
** R01DE-06514-03 Periodontal diseases and diabetes in the Gila River Indian Community

SOCIAL GROUPS, RACIAL STOCKS
P01DE-03610-18 0017 Craniofacial growth and development - Craniofacial profile patterns in normal and malformed pren
R01DE-06069-02 A genetic study of cleft lip and cleft palate in Hawaii

SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE
R01DE-02862-17 Growth and development of the human head

SOCIAL HORMONES AND PHEROMONES
SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

SOCIAL MODELS
SEE MODELS, SOCIAL MODELS

SOCIAL PSYCHOLOGY
SEE PSYCHOLOGY, SOCIAL (SEE ALSO SOCIAL...)

SOCIAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

SOCIAL SUPPORT NETWORKS
SEE ALSO PSYCHOLOGY, SOCIAL, COOPERATION
SEE ALSO PSYCHOLOGY, SOCIAL, INTERPERSONAL RELATIONS
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06417-01 Factors influencing long-term oral self-care (human)

SOCIOENVIRONMENT
SEE ALSO FAMILY
R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)

SODIUM
R01DE-05354-07 Prevention of dental caries (rats, human)
R01DE-06185-01 Sympathectomized salivary glands--Cystic fibrosis model (rats)

SODIUM CHLORIDE
R23DE-05827-03 Modifying effects of saliva and age on taste perception

SODIUM-POTASSIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM-POTASSIUM PUMP

SODIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM PUMP

SODIUM SALICYLATE
SEE PHENYLCARBOXYLATES, SALICYLATES

SOFT-WIRED NERVOUS SYSTEM
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SOLANUM
SEE ALKALOIDS, MORPHINES

SOLUBILITY
SEE PHYSICAL PROPERTIES, SOLUBILITY

SOLUTES
SEE PHYSICAL PROPERTIES, SOLUTES

SOLUTIONS
SEE PHYSICAL PROPERTIES, SOLUTIONS

SOLUTIONS (DOSAGE FORM)
SEE DOSAGE FORMS

SOLVATION ENERGIES
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

SOLVENTS
SEE PHYSICAL PROPERTIES, SOLVENTS

SOMATESTHESIA
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SOMATIC AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES

SOMATIC ANTIGENS, NONMICROBIAL
SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)

SOMATIC CELL GENETICS
SEE GENETICS, SOMATIC CELL AND TRANSFORMATION

SOMATIC REFLEXES
SEE NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES

SOMATOLOGY (GENERAL)
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

SOMATOSENSORY MOTOR SYSTEM (GENERAL)
SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

SOMATOSTATIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

SOMATOTROPIN RELEASE-INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

SOMESTHESIS
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SOMESTHETIC SENSORY AREA
SEE BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA

SOMNIFACIENTS
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SOPORIFICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

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*Excludes routine methodology; OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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SOUND IMPEDANCE
SEE PHYSICAL PROPERTIES, SOUND IMPEDANCE

SOUND MEASUREMENTS, JOINTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SPASM
SEE NEUROMOTOR DISORDERS, SPASM

SPECIAL (REMEDIAL) EDUCATION
SEE EDUCATION, SPECIAL (REMEDIAL)

SPECIES
SEE BIOLOGY, SYSTEMATIC, SPECIES

SPECIFIC GRAVITY
SEE PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)

SPECTROSONOGRAPHY (JOINTS)
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SPEECH
SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

SPEECH DISORDERS
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS

SPEECH DISORDERS DIAGNOSIS
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS DIAGNOSIS

SPEECH SYNTHESIZER
SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER

SPEECH THERAPY
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY

SPIRAL AND CURVED BACTERIA
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

SPIRILLACEAE
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

SPIROCHETAL DISEASES
SEE BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)

SPIROCHETES
SEE BACTERIA, SPIROCHETES*

SPLEEN TISSUE (CELLS) TRANSPLANTATION
SEE BLOOD AND RE SYSTEM, SPLEEN TISSUE (CELLS) TRANSPLANTATION

SPLICING, GENE (GENETIC MANIPULATION)
SEE GENETIC MANIPULATION

SPREADING FACTOR
SEE CARBOHYDRASES, HYALURONIDASE

SQUAMOUS CELL CARCINOMA
SEE NEOPLASMS, CARCINOMA EPIDERMOID

SR
SEE METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)

STABILITY, CHEMICAL
SEE CHEMICAL STABILITY

STANDARDIZATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY STANDARDS
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
SEE WATER QUALITY

STANDARDS, DIAGNOSTIC
SEE DIAGNOSTIC QUALITY-STANDARDS

STANDARDS FOR HEALTH CARE QUALITY
SEE HEALTH CARE QUALITY

STANDARDS FOR INFORMATION GATHERING METHODS (GENERAL)
SEE INFORMATION GATHERING METHODS EVALUATION-STANDARDS

STANNOUS FLUORIDE
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

STAPHYLOCOCCUS AUREUS
SEE BACTERIA, MICROCOCCACEAE, STAPHYLOCOCCUS AUREUS*

STARCH
SEE HEXOSANS, GLUCANS, STARCH

STATISTICAL MODELS
SEE MODELS, MATHEMATICAL

STATISTICS
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

STATUS DYSRAPHICUS
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES

STEATORRHEA, CONGENITAL PANCREATIC
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

STEEL
SEE METALS, ALLOYS, STEEL

STEREOCHEMISTRY
SEE CHEMICAL STRUCTURE, STEREOCHEMISTRY

STERILIZATION
SEE COMMUNICABLE DISEASE CONTROL, ANTISEPSIS STERILIZATION

STEROID HORMONES
SEE ENDOCRINOLOGY, HORMONES, STEROID HORMONES

STEROID METABOLISM
** P50DE-02668-18 0213 Regional dental research center - Androgen metabolism and androgen receptors

STEROIDS
SEE ALSO ENDOCRINOLOGY, HORMONES, STEROID HORMONES
R03DE-07012-01 Therapeutic regimens for dental surgery

STEROIDS HAVING CHOLECALCIFEROL ACTIVITY
SEE VITAMINS, VITAMIN D (GENERAL)

STIMULANTS, GROWTH
SEE GROWTH FACTORS (INCL ANABOLICS)

STIMULUS-RESPONSE (GENERAL)
SEE ALSO EAR, HEARING, AUDIOSTIMULUS
SEE ALSO ELECTROPOTENTIALS, EVOKED POTENTIALS
SEE ALSO ELECTROSTIMULUS
SEE ALSO EYE, VISUAL STIMULUS
SEE ALSO TEMPERATURE, HEAT, CALORIC STIMULATION
** R01DE-06294-03 Effects of physiological feedback on dental fear (human)
R01DE-06943-01 Central projections of MES V afferents (cats)
P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)
** P01DE-06946-01 0003 Pathophysiology of MPD and other facial pain syndromes - Sensory discrimination analysis (human)
** P01DE-06946-01 0004 Pathophysiology of MPD and other facial pain syndromes - Sensitivity and response bias to stimuli (human)

STOICHIOMETRY
SEE CHEMISTRY, STOICHIOMETRY

STOMATITIS, APHTHOUS
SEE ORAL PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

STORAGE DISORDERS
SEE METABOLIC DISORDERS INBORN, LYSOSOMAL DISORDERS

STRATUM CORNEUM (EPIDERMIS)
SEE SKIN (GENERAL)

STREPTOCOCCACEAE
SEE BACTERIA, STREPTOCOCCACEAE*

STREPTOCOCCAL INFECTIONS
SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS

STREPTOCOCCAL VACCINE
SEE VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES

STREPTOCOCCUS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*

STREPTOCOCCUS GROUP A
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS GROUP D
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS ENTEROCOCCUS GROUP*

STREPTOCOCCUS HEMOLYTICUS (S.PYOGENES)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS MITIS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*

STREPTOCOCCUS MUTANS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*

STREPTOCOCCUS PYOGENES (S. HEMOLYTICUS)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS SALIVARIUS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS

STREPTOCOCCUS SANGUIS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SANGUIS*

STREPTOZOTOCIN
SEE ANTIBIOTICS, STREPTOZOTOCIN

STRESS
SEE ALSO PSYCHIC SHOCK
SEE ALSO PSYCHOLOGICAL ADAPTATION
R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
R01DE-06417-01 Factors influencing long-term oral self-care (human)
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
** R23DE-06865-01 Child desensitization for dental visits (human)
R03DE-06902-01 Neuroanatomic pathways mediating bruxing behavior (cats)
P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
R03DE-07045-01 Fatigue of ceramics in a simulated oral environment

STRESS, PHYSIOLOGICAL STRESSORS
SEE ALSO AGE (HUMAN)
SEE ALSO AGING
SEE ALSO NUTRITION, DIET, FASTING
SEE ALSO PREGNANCY
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)

STRESS, PSYCHOSOCIAL STRESSORS
SEE ALSO PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL)
R01DE-04358-08 Treatment of temporomandibular joint pain
** R01DE-04494-07 Control of stress during dental procedures (human)
R01DE-05305-04 Behavioral approaches to pain responses in pedodontics (children)
R01DE-05369-06 Factors affecting dental postoperative pain (human)
** R01DE-05989-03 Myofascial pain-dysfunction syndrome and life stress (human)
R03DE-06264-01 Prevalence and psychosocial correlates of orofacial pain
R01DE-06294-03 Effects of physiological feedback on dental fear (human)
R01DE-06417-01 Factors influencing long-term oral self-care (human)
R23DE-06522-02 Schooling and work setting--Effects on dental hygienists
** R23DE-06546-01 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06551-01 Stress, host factors, and acute necrotizing gingivitis (human)
R03DE-06692-02 Neurohumoral responses to pain and anxiety
** R23DE-06865-01 Child desensitization for dental visits (human)

STRESS, ENVIRONMENTAL
SEE STRESS

STRESS MECHANICAL
SEE PHYSICAL PROPERTIES, MECHANICAL STRESS

STRESS PSYCHOLOGIC
SEE STRESS

STRESSORS, PHYSIOLOGICAL
SEE STRESS, PHYSIOLOGICAL STRESSORS

STRESSORS, PSYCHOLOGICAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRESSORS, PSYCHOSOCIAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRESSORS, SOCIAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRIATED MUSCLE
SEE MUSCLES, STRIATED MUSCLE

STROMA, CELL
SEE CELL COMPONENTS, CELL STROMA

STRONTIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)

STROPHANTHIN G
SEE CARDIAC GLYCOSIDES, OUABAIN

STRUCTURAL CHEMISTRY
SEE CHEMICAL STRUCTURE

STRUCTURAL GENE
SEE GENETICS, GENES, OPERON, STRUCTURAL GENE

STRUCTURAL MODELS
SEE MODELS, STRUCTURAL MODELS

STRUCTURE OF CARBOHYDRATES
SEE CARBOHYDRATES, STRUCTURE

STRUCTURE OF NUCLEIC ACIDS
SEE NUCLEIC ACIDS, STRUCTURE

STRUCTURE OF PROTEINS-PEPTIDES
SEE PROTEINS-PEPTIDES, STRUCTURE

STUART FACTOR
SEE BLOOD COAGULATION, FACTOR X

STUDENT HEALTH SERVICES
SEE HEALTH CARE SERVICES, STUDENT HEALTH SERVICES

STUDENTS, UNIVERSITY
SEE EDUCATION, UNIVERSITY STUDENTS

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

STYRENE POLYMERS
SEE PLASTICS, STYRENE POLYMERS

SUBGINGIVAL CURETTAGE
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

SUBLINGUAL GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL

SUBMANDIBULAR GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBMAXILLARY GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBSTANCE P (PEPTIDE)
SEE PEPTIDES, SUBSTANCE P

SUBSTITUTION REACTIONS (CHEMISTRY)
SEE CHEMICAL REACTIONS, SUBSTITUTION

SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE
SEE OXIDOREDUCTASES, SUCCINATE (ACCEPTOR) OXIDOREDUCTASE

SUCCINIC ACID
SEE DICARBOXYLIC ACIDS, SUCCINIC ACID

SUCRASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

SUCROSE
SEE DISACCHARIDES, SUCROSE

SUCROSE ALPHA-D-GLUCOHYDROLASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

SUGAR ACIDS, MURAMIC ACID
R01DE-05494-05 Activation of macrophages in periodontal disease (mice)
M01DE-42551-00 Develop antigens and adjuvants for caries immunity

SUGAR ACIDS, SIALIC ACIDS
R01DE-05632-04 Development of salivary gland secretory function (rats)

SUGAR ALCOHOLS
R01DE-06051-03 Membranes of the dental pathogen Streptococcus mutans (rabbits)

SUGAR TRANSPORT
SEE CARBOHYDRATES TRANSPORT (GENERAL)

SUGARS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

SUGGESTION
SEE PSYCHOLOGY, SUGGESTION

SULFATION
R01DE-05666-04 Biochemistry of salivary lipids (rats, human)

SULFENIC ACIDS
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutans)

SULFHYDRYLS
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutans)

SULFONAMIDES, ACETAZOLAMIDE
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)

SULFOXIDES, DIMETHYL SULFOXIDE
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

SULFUR (COMPOUNDS) --SEE ALSO THI...
R01DE-06373-02 Saliva formation studied by microprobe analysis (rats)

SULFUR AMINO ACIDS, CYSTEINE
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

SULFUR AMINO ACIDS, METHIONINE
R23DE-06040-03 Polyamines and palatal development (rabbits)
R03DE-06263-01 Enkephalin-prostaglandin interactions in tooth pulp (dogs)

SUNLIGHT
SEE RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)

SUPEROXIDE
SEE OXIDES, SUPEROXIDE

SUPPOSITORIES
SEE DOSAGE FORMS

SUPPRESSOR T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR

SURFACE ACTIVE AGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

SURFACE ACTIVITY, CELLULAR
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

SURFACE ANTIGENS
SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)

SURFACE PROPERTIES (GENERAL)
SEE PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)

SURFACTANTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

SURGERY
SEE ALSO ORAL FACIAL RESTORATION
SEE ALSO ORAL SURGERY
SEE ALSO PARATHYROIDECTOMY
SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS
SEE ALSO TISSUE COMPATIBILITY TRANSPLANT TRANSPLANTATION
** R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)

SURGERY, MICROSURGERY AND MICRODISSECTION
R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SURGERY, OTOLARYNGOLOGIC, ADENOIDECTOMY
P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies

SURGERY, OTOLARYNGOLOGIC, TONSILLECTOMY
P01DE-02872-15 0062 Center for craniofacial anomalies - Growth studies

SURGERY, PLASTIC
SEE ALSO ORAL FACIAL RESTORATION
R01DE-05396-04 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-06570-03 Psychosocial evaluation of craniofacial patients
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)

SURGERY, POSTOPERATIVE
SEE ALSO DISEASES, COMPLICATIONS, POSTOPERATIVE
R01DE 04890-06 Systematic plaque control - healing following periodontal surgery (human)
P01DE-05130-05 0006 Dental/orofacial pain-Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-05744-04 Psychosocial factors in orthognathic surgery (human)
P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-04 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** P01DE-05837-04 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R03DE-06692-02 Neurohumoral responses to pain and anxiety
P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
R03DE-07012-01 Therapeutic regimens for dental surgery

SURGERY, PREOPERATIVE
P01DE-06946-01 0021 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients

SURGICAL WOUNDS
SEE INJURIES, SURGICAL WOUNDS

SURVEYS, DENTAL (HEALTH)
SEE POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

SURVEYS, HEALTH
SEE POPULATION SURVEYS, HEALTH SURVEYS

SURVEYS, POPULATION
SEE POPULATION SURVEYS

SUSPENSIONS (DOSAGE FORM)
SEE DOSAGE FORMS

SUSTAINED RELEASE PREPARATIONS
SEE DOSAGE FORMS

SUTURES
SEE SKELETAL SYSTEM, SKULL, CRANIAL SUTURES

SWALLOWING
SEE GASTROINTESTINAL FUNCTION, DEGLUTITION

SWEETENING AGENTS
SEE FOOD, SWEETENING AGENTS

SYMPATHECTOMY
SEE NEUROSURGERY, SYMPATHECTOMY

SYMPATHETIC GANGLIA
SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA

SYMPATHETIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM

SYMPATHOMIMETIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC

SYNAPSES
SEE NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES

SYNAPTIC PLASTICITY
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SYNAPTIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS

SYNCHRONOUS CELL DIVISION
SEE CELL DIVISION, SYNCHRONOUS CELL DIVISION

SYNERGISM
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

SYNOSTOSES, CRANIAL
SEE CONGENITAL ABNORMALITIES, ORAL FACIAL CRANIAL, CRANIOSYNOSTOSES

SYNOVIAL FLUID
SEE SKELETAL SYSTEM, SYNOVIAL FLUID

SYNTHESIS (ORGANIC)
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

SYNTHESIS OF DRUGS
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

SYSTEMATIC BIOLOGY
SEE BIOLOGY, SYSTEMATIC

T GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES

TABLETS
SEE DOSAGE FORMS

TACHYKININS
SEE PEPTIDES, SUBSTANCE P

TACTILE PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TASTE
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE

TASTE DISORDERS
SEE SENSORY-PERCEPTUAL DISORDERS, TASTE DISORDERS

TASTE THRESHOLD
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD

TAXONOMY
SEE BIOLOGY, SYSTEMATIC

TEETH
SEE DENTAL STRUCTURE, TOOTH

TEFLON
SEE PLASTICS, FLUOROCARBON POLYMERS

TEICHOIC ACID
SEE POLYSACCHARIDES, TEICHOIC ACID

TELEMETERING
SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING

TEMPERAMENT
SEE PSYCHOLOGY, PERSONALITY

TEMPERATURE (SEE ALSO THERM...)
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
R01DE-05519-05 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-06869-02 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R03DE-07045-01 Fatigue of ceramics in a simulated oral environment

TEMPERATURE, HEAT
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
P01DE-06946-01 0002 Pathophysiology of MPD and other facial pain syndromes - Evoked potentials to tonic nociceptive stimulation (human)

TEMPERATURE, HEAT, CALORIC STIMULATION
** P50DE-02668-18 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

TEMPERATURE, HEAT STABILITY-LABILITY
R01DE-06374-03 Semi- and nonprecious metal-porcelain systems

TEMPERATURE (BODY), FEVER
R43DE-06932-01 Periodontal temperature probe

TEMPERATURE MEASUREMENT*
** R43DE-06932-01 Periodontal temperature probe

TEMPERATURE SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

TEMPOROMANDIBULAR JOINT
SEE ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT

(contd)

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TENDONS
SEE SKELETAL SYSTEM, TENDONS

TENSILE STRENGTH
SEE PHYSICAL PROPERTIES, TENSILE STRENGTH

TENSOR TYMPANI
SEE MUSCLES, EAR MUSCLES, TENSOR TYMPANI

TEORELL MEMBRANE OSCILLATOR
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

TERATOGENIC AGENTS
SEE CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS

TERPENES, CAROTENE
SEE ALSO VITAMINS, VITAMIN A, ALL-TRANS RETINOL
** R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

TESTING OF BIOMATERIALS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

TESTING OF INSTRUMENTATION, CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED

TESTING OF INSTRUMENTATION, NOT CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION NOT CLINICALLY ORIENTED

TESTOSTERONE
SEE ANDROSTANE SERIES, TESTOSTERONE

TESTS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*
SEE PSYCHOLOGICAL TESTS (GENERAL)*

TETRACYCLINE
SEE ANTIBIOTICS, TETRACYCLINE

TGF
SEE GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

THALAMUS
SEE BRAIN, THALAMUS

THEOPHYLLINE
SEE PURINES, XANTHINES, THEOPHYLLINE

THERAPEUTIC DIET
SEE NUTRITION, DIET THERAPEUTIC

THERAPEUTIC EQUIVALENCE OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

THERAPY, LAV *
N01DE-12433 [illegible] contrast evaluation of subgingival plaque

THERAPY, P [illegible] EFFECT
R01DE-0536 [illegible] ors affecting dental postoperative pain (human)

THERAPY, RELAXATION
SEE PSYCHIC ACTIVITY LEVEL, RELAXATION

THERAPY COMPLIANCE
** R01DE-03868-09 Children's acceptance of caries preventive procedures
** R23DE-06207-02 Patient response to student dentists affective behavior
** R01DE-06895-01 Implementing preventive dental programs in schools
P01DE-06946-01 0014 Pathophysiology of MPD and other facial pain syndromes - Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human)

THERAPY EVALUATION
P01DE-01697-22 0039 Craniofacial problems - Otitis media and its consequences (human)
** P50DE-02600-18 0041 Support for oral biology research center - Perio treatment (human)
** P50DE-02731-18 0033 Development support for dental research institute - Clinical trials of periodontal therapy (human)
M P01DE-03568-10 Craniofacial anomalies--Etiology and treatment
** R01DE-03598-09 Dentofacial effects of forces to retract the maxilla (human)
R01DE-04358-08 Treatment of temporomandibular joint pain
R01DE-04494-07 Control of stress during dental procedures (human)
P50DE-04881-08 0001 Clinical research in periodontal diseases - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04881-08 0002 Clinical research in periodontal diseases - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04898-08 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05067-06 Interaction of topical fluoride with human enamel (hamsters)
** R01DE-05410-05 Orthodontic treatment effects on craniofacial growth (human)
P01DE-05837-04 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
R01DE-05890-03 Prednisone efficacy in oral inflammatory disease (human)
R23DE-06033-03 Osteoporosis and oral changes in older women
** R01DE-06103-02 Evaluation of four modalities of periodontal therapy
R01DE-06105-02 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06112-04 Filled sealant as a conservative restorative material (human)
** R23DE-06562-01 Fluoridation effects on dental demand (human)
** P01DE-06946-01 0001 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
P01DE-06946-01 0003 Pathophysiology of MPD and other facial pain syndromes - Sensory discrimination analysis (human)
** P01DE-06946-01 0014 Pathophysiology of MPD and other facial pain syndromes - Nonsteroidal anti-inflammatory drugs for treatment of MPD syndrome (human)
** P01DE-06946-01 0015 Pathophysiology of MPD and other facial pain syndromes - Evaluation of bite/plate designs--Treatment of MPD syndrome (human)
** P01DE-06946-01 0016 Pathophysiology of MPD and other facial pain syndromes - Exercise therapy for patients with clicking of the TMJ (human)
** P01DE-06946-01 0017 Pathophysiology of MPD and other facial pain syndromes - Manipulation therapy for patients with internal derangement of the TMJ (human)
** P01DE-06946-01 0018 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-01 0020 Pathophysiology of MPD and other facial pain syndromes - Long-term follow-up survey (human)
** P01DE-06946-01 0021 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
** R01DE-06957-01 Nasal airway and respiratory mode in cleft palate (human)
** R03DE-07012-01 Therapeutic regimens for dental surgery
N01DE-32441-03 Effect of prenatal fluoride in preventing dental caries (human)
N01DE-52484-10 Antiplaques/food additives/other agents--Anticaries

THERMODYNAMICS (CHEMISTRY)
SEE CHEMISTRY, THERMODYNAMICS (GENERAL)

THERMOLABILE PLASTICITY, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

THERMOMETRY
SEE TEMPERATURE MEASUREMENT*

THERMORECEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

THERMOSTABILITY-LABILITY
SEE TEMPERATURE, HEAT STABILITY-LABILITY

THIOCYANATES
R01DE-04235-08 Peroxidase in saliva and prevention of oral disease (human, S mutants)

THREE-DIMENSIONAL X-RAY SCANNING
SEE RADIOGRAPHY, SCANNING, DSR

THRESHOLDS, SENSORY
SEE SENSORY THRESHOLDS

THROAT
SEE ORAL-PHARYNGEAL, PHARYNX

THROMBASE
SEE BLOOD COAGULATION, THROMBIN

THROMBIN
SEE BLOOD COAGULATION, THROMBIN

THROMBOCYTES
SEE BLOOD PLATELETS

THROMBOCYTOPATHY
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOMODULIN
SEE PROTEINS, MEMBRANE PROTEINS

THROMBOPATHY CONSTITUTIONAL
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOSIS
SEE CARDIOVASCULAR DISORDERS, THROMBOSIS

THROMBOXANES
SEE FATTY ACIDS, UNSATURATED, THROMBOXANES

THY-1.1 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

THYMIDINE
SEE PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE

THYMUS
SEE BLOOD AND RE SYSTEM, THYMUS

THYMUS DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

THYROCALCITONIN
SEE THYROID HORMONES, (THYRO)CALCITONIN

THYROID HORMONES, (THYRO)CALCITONIN
P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
** P50DE-02668-18 0192 Regional dental research center - Skeletal actions of calcitonin in the rat
P50DE-02668-18 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)
R23DE-06763-01 Carbonic anhydrase in craniofacial abnormalities (mice, rabbits)
R01DE-06923-01 Biochemistry of tooth eruption, movement and resorption (cats)

THYROTROPIN-RELEASE INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

TI
SEE METALS, HEAVY METALS, TITANIUM (COMPOUNDS)

TIBIA
SEE SKELETAL SYSTEM, LIMB BONES, TIBIA

TIC DOLOREAUX
SEE NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

TIME RELEASE DRUGS
SEE DRUGS, SLOW RELEASE PREPARATIONS

TIN (COMPOUNDS)
SEE METALS, HEAVY METALS, TIN (COMPOUNDS)

TISSUE, EPITHELIUM
SEE ALSO CARDIOVASCULAR SYSTEM, ENDOTHELIUM
SEE ALSO ORAL-PHARYNGEAL, MUCOSA
** P50DE-02600-18 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02731-18 0032 Development support for dental research institute - Epithelial cell basal lamina biosynthesis (rats)
P01DE-02848-14 0005 Biology of connective tissue, bones, and teeth - Enamel gene expression in tooth development (vertebrates)
** P01DE-02848-14 0006 Biology of connective tissue, bones, and teeth - Gene expression during ameloblast differentiation (rabbits)
** P01DE-02848-14 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** P01DE-02848-14 0022 Biology of connective tissue, bones, and teeth Epithelial-mesenchymal interactions in palate morphogenesis (animals)
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05586-04 Cell surface studies of the enamel organ (mice)
R01DE-05881-03 Epithelial fusions during craniofacial development (chicks, frogs and hamsters)
R01DE-06076-02 Pathobiology of oral mucosa (rabbits)
R01DE-06395-02 Molecular basis of the ecology of oral streptococci
R03DE-06486-02 Microsphere binding to palatal glycoproteins
** R01DE-06556-02 Oral epithelium structural proteins (rabbits)
** R03DE-06804-01 Gingival fibroblasts-epithelial cells interaction (dogs, rats)
** R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

TISSUE, EXOCRINE GLANDS (GENERAL)
SEE ALSO ORAL-PHARYNGEAL, SALIVARY GLANDS
P50DE-02670-18 0018 Institute of dental research - Structure of human secretory immunoglobulin A
** R01DE-05251-05 Salivary gland secretory mechanisms (rats)
R23DE-06130-03 Calmodulin and submandibular gland secretion (rats)
R01DE-06511-02 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)

TISSUE-BIOMATERIAL SURFACE INTERACTIONS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

TISSUE (CELL) CULTURE*
SEE ALSO PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-01374-24 Matrix component interactions in calcified tissues (cattle, rats, chickens)
P50DE-02623-17 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** P50DE-02731-18 0032 Development support for dental research institute - Epithelial cell basal lamina biosynthesis (rats)
R01DE-02774-16 Tissue interaction in palatal shelf closure (mice)

(cont'd)

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R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
** R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
SEE ALSO TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES
R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

TISSUE (CELL) CULTURE, CLONE CELLS*
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
** R01DE-03258-13 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-05395-05 Stem cells in oral mucosa (mice)
** R23DE-06976-02 Polyclonal B cell activation in periodontal disease (human)

TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES
SEE ALSO PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-04622-08 Craniofacial anomalies and protein receptors (mice, rats)

TISSUE COMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
R01DE-05334-04 Periodontal therapy by controlled local drug delivery (human)

TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT COMPATIBILITY
R01DE-06179-02 Radiopaque restorative and prosthetic dental resins

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
SEE ALSO IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-06740-01 Human antibody responsiveness and dental caries

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05563-04 The blade implant--Clinical efficacy and safety (human)
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION
SEE ALSO BIOMATERIALS IMPLANTS AND COMPATIBILITY
SEE ALSO BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION
SEE ALSO BLOOD AND RE SYSTEM, SPLEEN TISSUE (CELLS) TRANSPLANTATION
SEE ALSO EAR (TISSUE) TRANSPLANTATION
SEE ALSO SKELETAL TISSUE TRANSPLANTATION
R01DE-05190-06 Factors determining variation in adult oral mucosa (mice, rabbits)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS
R01DE-02103-20 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human)
** R01DE-06634-01 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

TISSUE CULTURE
SEE TISSUE (CELL) CULTURE*

TISSUE MOSAICISM
R01DE-04629-08 Dental disease and osteoclastic bone resorption (chick embryo, quail, mice)
R01DE-05616-06 Matrix-cell interaction in craniofacial development (chick and quail embryos)

TITANIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, TITANIUM (COMPOUNDS)

TL ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

TNS STIMULATION (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

TOBACCO SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

TOCOLS
SEE VITAMINS, VITAMIN E, TOCOLS

ALPHA-TOCOPHEROL (ACETATE)
SEE VITAMINS, VITAMIN E, TOCOLS

DL-ALPHA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

ALL-RAC-ALPHA TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

BETA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

DELTA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

GAMMA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

TOCOPHEROLS
SEE VITAMINS, VITAMIN E, TOCOLS

TOLERANCE
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

TOMOGRAPHY
SEE RADIOGRAPHY, TOMOGRAPHY*

TONGUE
SEE ORAL-PHARYNGEAL, TONGUE

TONGUE DISORDERS
SEE ORAL-PHARYNGEAL DISORDERS, TONGUE DISORDERS

TONGUE NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, TONGUE NEOPLASMS

TONSILLECTOMY
SEE SURGERY, OTOLARYNGOLOGIC, TONSILLECTOMY

TOOTH
SEE DENTAL STRUCTURE, TOOTH

TOOTH, ARTIFICIAL, ENDOSSEOUS IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

TOOTH BRUSHING
SEE DENTISTRY, PREVENTIVE, TOOTH BRUSHING

TOOTH DISCOLORATION
SEE DENTAL DISCOLORATION

TOOTH DYSPLASIA, CONGENITAL
SEE CONGENITAL ABNORMALITIES, DENTITION

TOOTH ERUPTION
SEE DENTAL DEVELOPMENT

TOOTH FORMATION
SEE DENTAL DEVELOPMENT, DENTINOGENESIS

TOOTH LOSS
SEE DENTAL DISORDERS, TOOTH LOSS

TOOTH MOBILITY
SEE DENTAL STRUCTURE, TOOTH MOBILITY

TOOTH RESORPTION
SEE DENTAL DISORDERS, TOOTH RESORPTION

TOOTH ROOT
SEE DENTAL STRUCTURE, TOOTH ROOT

TOOTHACHE
SEE DENTAL PAIN

TOUCH
SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
SEE IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY

TOXICANT METABOLISM
SEE TOXICOLOGY, TOXICANT METABOLISM

TOXICANT SCREENING
SEE TOXICOLOGY, TOXICANT SCREENING

TOXICOLOGY, BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)
R01DE-05102-07 Potential anti-caries agents (rats)
R01DE-05696-04 Streptococcus mutans interaction with animal tissue (human, rabbits)

TOXICOLOGY, CYTOTOXICITY
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO IMMUNOLOGY, ANTIBODIES, AGGLUTININS
R01DE-05640-04 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R23DE-06091-02 Primary human cells--A model for materials testing (tissue culture)
R03DE-06500-02 Raman spectroscopic studies of dental amalgam corrosion

TOXICOLOGY, EMBRYO-FETUS
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

TOXICOLOGY, MYCOTOXINS
R23DE-07107-01 Cyclic nucleotides and prostaglandins in cleft palate (mice)

TOXICOLOGY, MYCOTOXINS, CYTOCHALASIN
R03DE-06438-02 Effect of fluoride on neutrophil functions (human)

TOXICOLOGY, PROTOZOAL TOXINS
** R03DE-07015-01 Axenic cultivation of Entamoeba gingivalis

TOXICOLOGY, TOXICANT METABOLISM
** P01DE-01850-21 0082 Nutritional sources and metabolic roles of fluoride - Nonionic fluorine in foods (human)
R03DE-06600-01 Salivary dissolution of mercury from dental amalgams

TOXICOLOGY, TOXICANT SCREENING
** R03DE-06678-01 Assessment of genetic toxicity mediated by steviol (rats)

TOXICOLOGY OF BACTERIA AND THEIR PRODUCTS
SEE TOXICOLOGY, BACTERIAL

TOXINS BACTERIAL
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)

TOXINS MYCOTOXINS
SEE TOXICOLOGY, MYCOTOXINS

TOXINS NEUROTOXINS
SEE NEUROTOXINS

TOXINS PROTOZOAL TOXINS
SEE TOXICOLOGY, PROTOZOAL TOXINS

TPN (H)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

TRACE ELEMENTS
SEE CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS

TRACE ELEMENTS AND MINERALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

TRAINING, RELAXATION
SEE PSYCHIC ACTIVITY LEVEL, RELAXATION

TRAINING AIDS IN EDUCATION
SEE EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS

TRANSAMIDASES (AMINOACYLTRANSFERASE)
SEE AMINOACYLTRANSFERASES

TRANSAXIAL TOMOGRAPHY
SEE RADIOGRAPHY, SCANNING, CAT*

TRANSCRIPTION
SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION

TRANSCUTANEOUS STIMULATION (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

TRANSDERMAL DRUG DELIVERY
SEE DRUGS, DRUG DELIVERY SYSTEMS

TRANSDUCING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

TRANSDUCTION, ENERGY
SEE BIOENERGETICS

TRANSEPITHELIAL SHUNT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

TRANSFERASES
SEE ALSO GLYCOSYLTRANSFERASES
SEE ALSO PHOSPHOTRANSFERASES
R01DE-04321-10 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-06108-03 Pathogenesis of teratogen/induced facial clefts (mice)
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-02 Genetic and biochemical bases for S mutans virulence (rabbits)

TRANSFORMATION
SEE GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

TRANSFORMATION MICROBIAL
SEE GENETICS, MICROBIAL, TRANSFORMATION MICROBIAL

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

■ Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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TRANSFORMATION NEOPLASTIC
SEE NEOPLASTIC TRANSFORMATION

TRANSFORMING GROWTH FACTORS
SEE GROWTH FACTORS (INCL ANABOLICS), TRANSFORMING GROWTH FACTORS

TRANSFORMING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

TRANSGLUTAMINASES
SEE AMINOACYLTRANSFERASES, TRANSGLUTAMINASES

TRANSGLYCOSIDASES
SEE GLYCOSYLTRANSFERASES

TRANSLATION
SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION

TRANSMETHYLATION
SEE ALKYL TRANSFER, TRANSMETHYLATION

TRANSPEPTIDASE (AMINOACYLTRANSFERASE)
SEE AMINOACYLTRANSFERASES

TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

TRANSPLANTATION ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

TRANSPLANTATION AUTOLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

TRANSPLANTATION HETEROLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

TRANSPLANTATION HOMOLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

TRANSPLANTATION IMMUNOLOGY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOIMMUNITY

TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
SEE NERVOUS SYSTEM, NEURONS, NEURONAL TRANSPORT

TRANSPORT EFFECTORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

TRANSPORT FACILITATORS (STIMULANTS)
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT INHIBITORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT PROTEINS
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)

TRANSVERSE AXIAL TOMOGRAPHY
SEE RADIOGRAPHY, SCANNING, CAT*

TRAPPING INHIBITION FACTORS (TIF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

TRAUMA
SEE INJURIES, TRAUMA

TRAUMA, EMOTIONAL, PSYCHIC
SEE PSYCHIC SHOCK

ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE (ADP FORMING)
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

TREMOR
SEE NEUROMOTOR DISORDERS, TREMOR

TREPONEMA
SEE BACTERIA, SPIROCHETES, TREPONEMA*

TRETINOIN
SEE VITAMINS, VITAMIN A ANALOGS

TRICARBOXYLIC ACID CYCLE
SEE TRICARBOXYLIC ACIDS, KREBS CYCLE

TRICARBOXYLIC ACIDS, KREBS CYCLE
R01DE-04387-08 Effect of fluoride on [illegible] and glucose metabolism (rats)

TRIGEMINAL NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE (5)

TRIGEMINAL NEURALGIA
SEE NERVOUS DISORDERS, PERIPHERAL, TRIGEMINAL NEURALGIA

TRIGEMINAL NUCLEUS (SPINAL)
SEE BRAIN, PONS, TRIGEMINAL NUCLEUS (SPINAL)

TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES
SEE ALSO DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE
R01DE-06644-02 Physiology of oral bacteria--Sugar PH and F relations

TRIOSE ALCOHOLS, GLYCEROPHOSPHATES
R01DE-06748-01 Synthesis and function of polymers in oral bacteria (rats)

TRIPHOSPHOPYRIDINE NUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

TRIPLETS
SEE FAMILY, TWINS AND MULTIPLETS

TRYPSIN
SEE PROTEASES AND PEPTIDASES, TRYPSIN

TRYPTOPHAN
SEE CYCLIC AMINO ACIDS, TRYPTOPHAN

TUMOR PROMOTERS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS

TWINS AND MULTIPLETS
SEE FAMILY, TWINS AND MULTIPLETS

TYMPANOPLASTY
SEE EAR SURGERY, TYMPANOPLASTY

TYPE C ONCOVIRUS
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN (FIBROSIS VIRUSES AVIAN

TYPE I DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES INSULIN-DEPENDENT DIABETES

TYPING
SEE CELL TYPES

TYPING, MICROBIAL (GENERAL)
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION TECHNIQUES

TYPING TAXONOMICAL
SEE BIOLOGY, SYSTEMATIC

TYPING TAXONOMICAL, MICROBIAL (GENERAL)
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION TECHNIQUES)

TYROSINASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

TYROSINE
SEE CYCLIC AMINO ACIDS, TYROSINE

UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

UDP GLUCURONOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

ULCER
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

ULTRASONIC SCANNING
SEE PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*

ULTRASONOGRAPHY
SEE PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC

ULTRASOUND, DIAGNOSTIC
SEE PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC

ULTRASOUND SCANNING
SEE PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*

ULTRAVIOLET RAYS
SEE RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM

UNITED STATES
SEE GEOGRAPHICAL SITES, UNITED STATES

UNIVERSITY STUDENTS
SEE EDUCATION, UNIVERSITY STUDENTS

UNSATURATED FATS
SEE LIPIDS, FATS, UNSATURATED FATS

URACIL ANALOGS
SEE PYRIMIDINES ANALOGS, URACIL ANALOGS

UREA
SEE AMIDES, UREA

UREMIA
SEE KIDNEY DISORDERS, UREMIA

URETHANE POLYMERS
SEE PLASTICS, POLYURETHANES

URIDINE DIPHOSPHATE GLUCOSE: D-GLUCOSE-6-PHOSPHATE 1 GLUCOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

URIDINE DIPHOSPHATE GLUCURONOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

URINALYSIS (CHEMICAL ANALYSIS)
SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS

URINE*
P01DE-01850-21 0090 Nutritional sources and metabolic roles of fluoride - Effect of skeletal fluoride load on retention of administered fluoride (rats)
N01DE-12430-08 Investigation of anticaries vaccine in primates

URINE CHEMICAL ANALYSIS
SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS

URUSHIOL OXIDASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

UTILIZATION OF HEALTH SERVICES-RESOURCES
SEE HEALTH CARE (SERVICES) (RESOURCES) UTILIZATION

UTILIZATION REVIEW
SEE HEALTH CARE QUALITY

V
SEE METALS, HEAVY METALS VANADIUM (COMPOUNDS)

V GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

VACCENIC ACID
SEE FATTY ACIDS

VACCINATION
SEE ALSO IMMUNITY AND NATURAL RESISTANCE) (GENERAL)
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE
P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

VACCINES, BACTERIAL, ANTI-CARIES VACCINE
** R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
** R01DE-05656-04 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-06153-03 Antibody to glucosyltransferase in adults and children (human)
R03DE-06139-02 Immunoglobulin A affinity at a secretory site (rats)
R01DE-06962-01 Surface protein antigens of cariogenic streptococci
P50DE-07003-01 0007 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** N01DE-12430-08 Investigation of anticaries vaccine in primates
** N01DE-47551-00 Develop antigens and adjuvants for caries immunity

VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES
N01DE-02426-05 Immunize rodents with non freund-type anticaries vaccines
R01DE-05017-06 Characterization of surface antigens of S-mutans (hamsters, rabbits)
R01DE-05606-04 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06669-02 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

VACCINES, LIVE
** R03DE-06798-01 Testing of a model live herpes simplex virus vaccine (mice)

VACCINES, VIRAL, HERPES
** R03DE-06798-01 Testing of a model live herpes simplex virus vaccine (mice)

VAGUS NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, VAGUS NERVE (10)

VALINOMYCIN
SEE ANTIBIOTICS, VALINOMYCIN

VALIUM
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

VANADIUM (COMPOUNDS)
SEE METALS, HEAVY METALS VANADIUM (COMPOUNDS)

VAPORS
SEE PHYSICAL PROPERTIES, FLUID STATE, VAPORS

VARIABLE REGION (VL,VH) GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

VARICELLA-ZOSTER VIRUS
SEE VIRUSES, HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS

VASCULAR BEDS
SEE CARDIOVASCULAR SYSTEM, CAPILLARY BEDS

VASCULAR PERMEABILITY
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

VEHICLES DRUG
SEE DRUGS VEHICLES

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*Explicit routine methodology OR covers any general [illegible] at the specific level
**Directly significantly to above subject

■ Grant list supplement describing specific research aspects
See Appendix for investigator's name and Grant Number

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VEILLONELLA
SEE BACTERIA, NEISSERIACEAE, VEILLONELLA*

VENEREAL DISEASES
SEE COMMUNICABLE DISEASES, SEXUALLY TRANSMITTED

VENOUS BLOOD PRESSURE
SEE CARDIOVASCULAR FUNCTION, BLOOD PRESSURE

VENTILATION, HEATING, AIR CONDITIONING
SEE ENVIRONMENT CONTROLLED

VERBAL BEHAVIOR
SEE INFORMATION-COMMUNICATION BEHAVIOR, VERBAL BEHAVIOR

VERTEBRATE ANIMAL (NON-PRIMATE) COLONIES, FACILITIES, RESOURCES
SEE ANIMAL COLONIES, FACILITIES, RESOURCES

VERTEBRATES
SEE ANIMALS, CHORDATES, VERTEBRATES*

VIBRATION PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION

VIBRIO
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

VIBRIONACEAE
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

VIDEOTAPES (GENERAL)
SEE INFORMATION DISSEMINATION, VIDEOTAPES (GENERAL)

VINYLBENZENE POLYMERS
SEE PLASTICS, STYRENE POLYMERS

VINYL CHLORIDE POLYMERS
SEE PLASTICS, POLYVINYLS

VINYL POLYMERS
SEE PLASTICS, POLYVINYLS

VIRAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES, VIRAL

VIRAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS, VIRAL

VIRAL CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

VIRAL DNA
SEE NUCLEIC ACIDS, DNA, VIRAL

VIRAL GENETICS
SEE GENETICS, MICROBIAL, VIRAL

VIRAL PROTEINS
SEE PROTEINS, VIRAL (GENERAL)

VIRAL RNA
SEE NUCLEIC ACIDS, RNA, VIRAL

VIRAL TYPING AND IDENTIFICATION
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION

VIRICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

VIRIDANS GROUP OF STREPTOCOCCI
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*

VIROLOGY (EXPERIMENTAL) STUDY SECTION
SEE EXPERIMENTAL VIROLOGY STUDY SECTION

VIROLOGY STUDY SECTION
** R01DE-03606-15 Morphogenesis of bacteriophage Ph

VIRULENCE MICROORGANISMS
SEE MICROORGANISMS, VIRULENCE

VIRUS ASSOCIATED CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO GROWTH FACTORS, INCL. ANABOLICS, TRANSFORMING GROWTH FACTORS
SEE ALSO VIRUSES, BACTERIOPHAGE*
R01DE-05838-02 Morphogenetic role of glycosaminoglycans (chick embryo)
R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers

VIRUS COMPONENTS
** R03DE-06572-01 Isolation of herpes simplex virion attachment protein

VIRUS DEVELOPMENT, REPLICATION
SEE ALSO NUCLEIC ACIDS SYNTHESIS
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)

VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)
** R03DE-06572-01 Isolation of herpes simplex virion attachment protein

VIRUS DISEASES, HERPESVIRIDAE
SEE ALSO VACCINES, VIRAL, HERPES
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)

VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1
** R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
** R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis

VIRUS INDUCED NEOPLASMS
SEE NEOPLASMS, VIRUS INDUCED

VIRUS INFECTION MECHANISMS (GENERAL)
SEE VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)

VIRUS INHIBITORS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

VIRUS REPLICATION
SEE VIRUS DEVELOPMENT, REPLICATION

VIRUS STRUCTURE AND MORPHOLOGY
SEE VIRUS COMPONENTS

VIRUSES, BACTERIOPHAGE*
** R01DE-03606-15 Morphogenesis of bacteriophage Ph
R01DE-04224-10 Studies on the genetics of oral microflora (rats)

VIRUSES, HERPESVIRIDAE
SEE ALSO VACCINES, VIRAL, HERPES
** R01DE-06128-01 Synthesis testing of a herpesvirus antiviral agent

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
** P50DE-02623-17 0022 Center for oral health research
Glycoprotein gD of herpes simplex virus
R01DE-06128-01 Synthesis testing of a herpesvirus antiviral agent
** R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
** R03DE-06575-02 Herpes simplex virus DNA polymerase and drug resistance
R03DE-06680-01 Analysis of oral cancer for herpes simplex virus markers
** R03DE-06798-01 Testing of a replicative herpes simplex virus vaccine (mice)
** R01DE-07008-02 Herpes virus antibodies in patients with oral cancer

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
** R03DE-06680-01 Analysis of oral cancer for Herpes simplex virus markers
** R01DE-06866-01 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** R03DE-06925-01 HSV-1 and natural killer activity in herpes labialis

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2
R23DE-06230-02 New targets for anti-herpes simplex virus chemotherapy (rabbits)
** R03DE-06544-01 Incidence of herpes simplex virus type 2 in oral lesions (human)
** R03DE-06572-01 Isolation of herpes simplex virion attachment protein

VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE
** R23DE-05929-02 Antigenic role of oral cytomegalovirus in Sjogren's syndrome (mice)
R01DE-06128-01 Synthesis testing of a herpesvirus antiviral agent

VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4
R01DE-06128-01 Synthesis testing of a herpesvirus antiviral agent

VIRUSES, HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS
R01DE-06128-01 Synthesis testing of a herpesvirus antiviral agent

VIRUSES, PAPOVAVIRIDAE
R01DE-04511-09 Stability of differentiation-Craniofacial study (mice, human, hamsters)

VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS
R01DE-04511-09 Stability of differentiation-Craniofacial study (mice, human, hamsters)

VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN
** P50DE-02668-18 0176 Regional dental research center - Collagen chemistry and myeloblastosis assoc virus infected cells (chick embryo)

VISCERAL AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES

VISCOSITY-VISCOELASTICITY
SEE PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY

VISUAL AIDS
SEE EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS

VISUAL STIMULUS
SEE EYE, VISUAL STIMULUS

VITAMIN EXCESS
SEE NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS

VITAMIN A (GENERAL)
SEE VITAMINS, VITAMIN A (GENERAL)

VITAMIN A1
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

VITAMIN A ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

VITAMIN A ALDEHYDE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

VITAMIN A ANALOGS
SEE VITAMINS, VITAMIN A ANALOGS

VITAMIN A AS ALL-TRANS RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

VITAMIN BC
SEE VITAMINS, FOLACINS, FOLIC ACID

VITAMIN D (GENERAL)
SEE VITAMINS, VITAMIN D (GENERAL)

VITAMIN D DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

VITAMIN D3
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

VITAMIN D3, 25-HYDROXY
SEE VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL

VITAMIN D3 ACTIVATED
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

VITAMIN D RESISTANT RICKETS INBORN
SEE METABOLIC DISORDERS, INBORN, VITAMIN D RESISTANT RICKETS, INBORN

VITAMIN M
SEE VITAMINS, FOLACINS, FOLIC ACID

VITAMIN THERAPY
SEE NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)

VITAMINS, FOLACINS, FOLIC ACID
R01DE-06216-02 Genetic/environment interaction in cleft lip mice (mice, rats)

VITAMINS, VITAMIN A (GENERAL)
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)
R23DE-06739-01 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)

VITAMINS, VITAMIN A, ALL-TRANS RETINOL
P50DE-02668-18 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P50DE-02670-18 0020 Institute of dental research - Nutrition, Disease proneness during dental development
R01DE-05017-06 Characterization of surface antigens of S. mutans (hamsters, rabbits)

VITAMINS, VITAMIN A, RETINALDEHYDE
R01DE-06693-01 Effects of beta-carotene on salivary gland tumors (rats)

VITAMINS, VITAMIN A, RETINOIC ACID
R01DE-06977-01 Oral mucosa in vitro (mice, rats, guinea pigs)

VITAMINS, VITAMIN A ANALOGS
R01DE-06028-01 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

VITAMINS, VITAMIN B6, PYRIDOXAL ANALOGS
R01DE-05102-07 Potential anti-caries agents (rats)

VITAMINS, VITAMIN C, ASCORBIC ACID
P50DE-02670-18 0020 Institute of dental research - Nutrition, Disease proneness during dental development
R01DE-02764-13 Periodontal disease and diabetes-Effect of endotoxin (monkeys)

(cont)

*Excludes routine methodology OR studies only general aspects which preclude indexing at the specific level
**Oriented significantly to above subject

W Grant has supplements, bearing specific research agents
See Appendix for investigator's name and Grant Number

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VITAMINS, VITAMIN D (GENERAL)
** P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-04724-06 Cellular events in bone remodeling of tooth migration (rats)
R01DE-05210-05 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05937-04 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)

VITAMINS, VITAMIN D, CHOLECALCIFEROL
** R01DE-06854-01 Steroid hormone receptors in developing teeth (rats)
R23DE-07113-01 Isolation and characterization of osteoclasts (chicks)

VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL
R01DE-04961-06 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05413-05 Bone resorption in periodontal disease (human, rats, mice)

VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL
P50DE-02668-18 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)

VITAMINS, VITAMIN E, TOCOLS
R01DE-06893-01 Effects of beta-carotene on salivary gland tumors (rats)

VOICE SYNTHESIZER
SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER

WATER
SEE ALSO BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
SEE ALSO CHEMICAL REACTIONS, HYDRATION-DEHYDRATION
SEE ALSO CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS
R01DE-01912-21 Tooth enamel apatite at the atomic level (human)

WATER-ELECTROLYTE BALANCE
SEE BODY FLUID BALANCE, IONIC

WATER QUALITY
P50DE-07009-01 0001 Specialized caries research centers - Clinical studies of root caries (human)

WATER SUPPLY
SEE ALSO WATER QUALITY
R01DE-04387-08 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis
N01DE-32444-01 Pharmacology of intraoral fluoride-releasing device
N01DE-32445-02 National caries program

WATER TREATMENT
R01DE-06418-02 Laboratory and clinical studies of dental fluorosis

WAVESHAPE PROCESSING ANALYSIS AND DISPLAY
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

WEAR PROPERTIES OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

WEAR RESISTANCE OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

WHIPLASH INJURIES
SEE INJURIES, HEAD AND NECK

WOMEN
SEE SEX, FEMALE

WORKSHOP
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, WORKSHOP

WOUND HEALING
SEE INJURIES, WOUND HEALING

WOUNDS
SEE INJURIES, WOUNDS

XENOGRAFT
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

XERODERMOSTEOSIS
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

XEROGRAPHIC RADIOGRAPHS
SEE RADIOGRAPHY, XEROGRAPHY

XEROGRAPHY
SEE RADIOGRAPHY, XEROGRAPHY

X-RAY DENSITOMETRY
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

X-RAY MICROSCOPY
SEE OPTICS, MICROSCOPY, X-RAY*

X-RAYS
SEE RADIATION, ELECTROMAGNETIC WAVES, X-RAYS

YOUNG ADULTS
SEE AGE (HUMAN), ADULT, YOUNG (21 TO 44 YRS)

YOUTH
SEE CHILDREN

ZINC (COMPOUNDS)
SEE METALS, HEAVY METALS, ZINC (COMPOUNDS)

ZN
SEE METALS, HEAVY METALS, ZINC (COMPOUNDS)

ZYMOGENS
SEE ENZYMES, ZYMOGENS VOL10088460 NIH-BTHSDA
HDR1RGIV2 PU071 00884600010001 85072
0000000000001M OS/VS 370
HDR2F0189000063308DU071V2/VOL2S1 B 61382

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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HARKINS, STEPHEN P01DE06946-01 0002

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HAUSMANN, ERNEST R01DE05623-03
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HAY, DONALD I R01DE03915-11
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D ANTICARIES AGENTS *	Z01	DE00282-05
D ANTICARIES AGENTS *	Z01	DE00365-02
D ANTIGENS	N01	DE42551-00
D ANTIPLAQUE AGENTS *	N01	DE52484-11
D APATITES	Z01	DE00088-11
C ARTHRITIS	Z01	DE00046-13
C ARTHRITIS	Z01	DE00211-08
C ARTHRITIS	Z01	DE00316-04
C ARTHRITIS	Z01	DE00386-01
B BACTERIA	N01	DE42552-00
B BACTERIA	Z01	DE00022-18
B BACTERIA	Z01	DE00273-06
B BACTERIA	Z01	DE00381-01
B BACTERIA	Z01	DE00382-01
C BEHCET'S SYNDROME	N01	DE72405-09
G BLOOD COAGULATION	Z01	DE00049-13
D CARBON	Z01	DE00157-09
A CARTILAGE	Z01	DE00134-10
A CARTILAGE	Z01	DE00253-07
D CERAMICS	Y01	DE40001-00
G CHEMOTAXIS	Z01	DE00006-24
M CHILD	N01	DE22438-06
E CLINICAL TRIALS	N01	DE12431-04
E CLINICAL TRIALS	N01	DE32400-04
E CLINICAL TRIALS	N01	DE32441-03
E CLINICAL TRIALS	N01	DE32444-01
E CLINICAL TRIALS	N01	DE52484-11
E CLINICAL TRIALS	Y01	DE40001-00

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D	COLLAGEN	ZO1 DE00230-08
D	COMPOSITE RESINS	YO1 DE20001-00
D	COMPOSITE RESINS	YO1 DE20003-03
D	COMPOSITE RESINS	YO1 DE40001-00
E	COMPUTERS	YO1 DE20001-00
E	COMPUTERS	YO1 DE20003-03
E	COMPUTERS	ZO1 DE00031-16
A	CONNECTIVE TISSUE	ZO1 DE00009-23
A	CONNECTIVE TISSUE	ZO1 DE00216-08
N	COSTS & COST ANALYSIS	NO1 DE22439-04
C	CYSTIC FIBROSIS	ZO1 DE00372-02
G	CYTOLOGY	ZO1 DE00247-07
D	DELIVERY OF HEALTH CARE	NO1 DE22439-04
C	DENTAL CARIES	NO1 DE02424-06
C	DENTAL CARIES	NO1 DE02426-05
C	DENTAL CARIES	NO1 DE12430-09
C	DENTAL CARIES	NO1 DE12431-04
C	DENTAL CARIES	NO1 DE12434-06
C	DENTAL CARIES	NO1 DE22438-0[illegible]
C	DENTAL CARIES	NO1 DE22439-04
C	DENTAL CARIES	NO1 DE32400-04
C	DENTAL CARIES	NO1 DE32441-03
C	DENTAL CARIES	NO1 DE32443-00
C	DENTAL CARIES	NO1 DE42551-00
C	DENTAL CARIES	NO1 DE42552-00
C	DENTAL CARIES	NO1 DE42553-00
C	DENTAL CARIES	YO1 DE30001-01
C	DENTAL CARIES	ZO1 DE00162-08
C	DENTAL CARIES	ZO1 DE00292-05
C	DENTAL CARIES	ZO1 DE00325-04
C	DENTAL CARIES	ZO1 DE00341-03
C	DENTAL CARIES	ZO1 DE00390-01
A	DENTAL ENAMEL	ZO1 DE00112-11
E	DENTAL HEALTH SURVEYS	NO1 DE32443-00
D	DENTAL MATERIALS	YO1 DE30001-01
C	DENTAL PLAQUE	NO1 DE12433-04
C	DENTAL PLAQUE	NO1 DE92422-11
C	DENTAL PLAQUE	ZO1 DE00354-03
C	DIABETES *	ZO1 DE00366-02
E	DIAGNOSIS	NO1 DE12433-04
E	DIET	NO1 DE12434-06

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E	DIET	Z01 DE00234-07
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C	DIGESTIVE SYSTEM DISEASES	Z01 DE00393-01
C	DISEASE TRANSMISSION	N01 DE42552-00
D	DNA, RECOMBINANT	Z01 DE00309-04
D	ENZYMES	Z01 DE00311-04
E	EPIDEMIOLOGIC METHODS	Z01 DE00353-03
G	EPIDEMIOLOGY	N01 DE42553-00
A	EXOCRINE GLANDS	Z01 DE00028-17
A	FACE	Z01 DE00149-10
G	FLUORIDATION	N01 DE32443-00
E	FLUORIDE, INTRAORAL SLOW-REL	N01 DE32444-01
D	FLUORIDES	N01 DE32441-03
D	FLUORIDES	Z01 DE00275-06
D	FLUORIDES, TOPICAL	N01 DE12431-04
D	FLUORIDES, TOPICAL	N01 DE32400-04
D	FLUORIDES, TOPICAL	N01 DE32444-01
C	FLUOROSIS *	N01 DE32443-00
C	FLUOROSIS *	Z01 DE00324-04
J	FOOD	N01 DE12434-06
D	GELS	N01 DE52484-11
G	GENETICS	Z01 DE00254-07
G	HEALTH EDUCATION, DENTAL	N01 DE02424-06
C	HERPES SIMPLEX	Z01 DE00123-11
G	HISTAMINE LIBERATION	Z01 DE00034-16
M	HUMAN SUBJECTS *	N01 DE12431-04
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M	HUMAN SUBJECTS *	N01 DE32441-03
M	HUMAN SUBJECTS *	N01 DE32443-00
M	HUMAN SUBJECTS *	N01 DE32444-01
M	HUMAN SUBJECTS *	N01 DE42553-00
M	HUMAN SUBJECTS *	N01 DE92422-11
M	HUMAN SUBJECTS *	Y01 DE20001-00
M	HUMAN SUBJECTS *	Y01 DE20003-03
M	HUMAN SUBJECTS *	Y01 DE40001-00
M	HUMAN SUBJECTS *	Z01 DE00070-12
M	HUMAN SUBJECTS *	Z01 DE00246-07
M	HUMAN SUBJECTS *	Z01 DE00276-06
M	HUMAN SUBJECTS *	Z01 DE00277-05
M	HUMAN SUBJECTS *	Z01 DE00286-05
M	HUMAN SUBJECTS *	Z01 DE00310-04

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M HUMAN SUBJECTS *	Z01	DE00362-02
M HUMAN SUBJECTS *	Z01	DE00378-01
M HUMAN SUBJECTS *	Z01	DE00387-01
M HUMAN SUBJECTS *	Z01	DE00388-01
A HUMAN TISSUES *	Z01	DE00080-11
A HUMAN TISSUES *	Z01	DE00319-04
A HUMAN TISSUES *	Z01	DE00359-02
A HUMAN TISSUES *	Z01	DE00361-02
A HUMAN TISSUES *	Z01	DE00379-01
D HYPNOTICS AND SEDATIVES	Z01	DE00132-10
D IGE	Z01	DE00290-05
D IMMUNOGLOBULINS	N01	DE02426-05
D IMMUNOGLOBULINS	Z01	DE00281-05
E IMMUNOLOGIC TECHNICS	N01	DE42551-00
G IMMUNOLOGY	N01	DE02426-05
G IMMUNOLOGY	N01	DE12430-09
L INFORMATION RETRIEVAL SYSTEM	Z01	DE00044-14
L INFORMATION RETRIEVAL SYSTEM	Z01	DE00250-07
E INTERVIEWS *	N01	DE02424-06
E INTUBATION	N01	DE12434-06
C MALFORMATIONS *	Z01	DE00024-18
C MALOCCLUSION	Z01	DE00373-02
G METABOLISM	Z01	DE00007-24
G MICROBIOLOGY	N01	DE42552-00
G MICROBIOLOGY	Z01	DE00042-14
G MICROBIOLOGY	Z01	DE00043-14
G MICROBIOLOGY	Z01	DE00383-01
G MICROBIOLOGY	Z01	DE00391-01
E MICROSCOPY, PHASE CONTRAST	N01	DE12433-04
M MINORS *	N01	DE12431-04
M MINORS *	N01	DE22439-04
M MINORS *	N01	DE32441-03
M MINORS *	N01	DE32444-01
M MINORS *	Z01	DE00389-01
B MONKEYS	N01	DE12430-09
B MONKEYS	N01	DE72405-09
F MOTIVATION	N01	DE12433-04
C MOTTLED ENAMEL	N01	DE32443-00
D MOUTHWASHES	N01	DE32400-04
D MOUTHWASHES	N01	DE52484-11
C NEOPLASMS	Z01	DE00330-03
E ORAL HYGIENE	N01	DE12433-04

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C PAIN	Z01	DE00133-10
C PAIN	Z01	DE00288-05
C PAIN	Z01	DE00291-05
C PAIN	Z01	DE00312-04
C PAIN	Z01	DE00313-04
C PAIN	Z01	DE00377-01
C PERIODONTAL DISEASES	N01	DE12433-04
C PERIODONTAL DISEASES	N01	DE32443-00
C PERIODONTAL DISEASES	N01	DE42553-00
G PREVENTIVE DENTISTRY	N01	DE32441-03
G PREVENTIVE DENTISTRY	Y01	DE30001-01
G PRIMARY PREVENTION	N01	DE02424-06
G PRIMARY PREVENTION	N01	DE22439-04
B PRIMATES	N01	DE12430-09
E PROSTHESIS	Y01	DE40001-00
D PROTEINS	Z01	DE00074-12
E RADIOGRAPHY, DENTAL	Z01	DE00065-13
E RADIOTHERAPY	Z01	DE00332-03
B RATS	N01	DE12434-06
D RNA	Z01	DE00025-18
A SALIVA	N01	DE92422-11
A SALIVA	Z01	DE00376-01
A SALIVARY GLANDS	Z01	DE00199-08
A SALIVARY GLANDS	Z01	DE00217-06
A SALIVARY GLANDS	Z01	DE00285-05
A SALIVARY GLANDS	Z01	DE00336-03
G SENSATION	Z01	DE00020-19
C SJOGREN'S SYNDROME	N01	DE72405-09
E SPECTRUM ANALYSIS	Z01	DE00012-22
C STOMATITIS, APHTHOUS	N01	DE72405-09
D TRANSGLUTAMINASES *	Z01	DE00001-32
D VACCINES	N01	DE02426-05
D VACCINES	N01	DE12430-09
D VACCINES	N01	DE42551-00
G WOUND HEALING	Z01	DE00331-03

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BAUM, BRUCE J	Z01	DE00336-03
BENNETT, GARY J	Z01	DE00247-07
BRENNAN, MICHAEL J	Z01	DE00385-01
BROWN, FREDERICK J	Z01	DE00031-16
BROWN, KENNETH S	Z01	DE00024-18
BRUNELLE, JANET ANN	Z01	DE00292-05
CHASSY, BRUCE M	Z01	DE00042-14
CHUNG, SOO IL	Z01	DE00049-13
CIARDI, JOSEPH E	Z01	DE00381-01
CISAR, JOHN O	Z01	DE00254-07
COLE, MICHAEL F	Z01	DE00384-01
CURTIS, MICHAEL A	Z01	DE00391-01
DIONNE, RAYMOND A	Z01	DE00132-10
DIONNE, RAYMOND A	Z01	DE00286-05
DONAHUE, AGNES H	Z01	DE00320-04
DONKERSLOOT, JACOB A	Z01	DE00043-14
DUBNER, RONALD	Z01	DE00312-04
EANES, EDWARD D	Z01	DE00088-11
FIELD, RUTH B	Z01	DE00376-01
FISHER, LARRY W	Z01	DE00074-12
FOLK, JOHN E	Z01	DE00001-32
FOLK, JOHN E	Z01	DE00311-04
FOWLER, BRUCE O	Z01	DE00012-22
FOX, PHILIP C	Z01	DE00337-03
GOBEL, STEPHEN	Z01	DE00020-19
GRACELY, RICHARD H	Z01	DE00133-10
GRACELY, RICHARD H	Z01	DE00276-06
GRACELY, RICHARD H	Z01	DE00313-04
GROTENDORST, GARY R	Z01	DE00331-03
HAND, ARTHUR R	Z01	DE00028-17
HASCALL, VINCENT C	Z01	DE00134-10
HASSELL, JOHN R	Z01	DE00149-10
HOFFELD, J. TERRELL	Z01	DE00338-03
HOROWITZ, HERSCHEL S	Z01	DE00070-12
HOROWITZ, HERSCHEL S	Z01	DE00277-05
HOROWITZ, HERSCHEL S	Z01	DE00310-04
KEMP, CHRISTOPHER W	Z01	DE00383-01
KENSHALO, DANIEL R	Z01	DE00377-01
KINGMAN, ALBERT	Z01	DE00324-04
KINGMAN, ALBERT	Z01	DE00353-03
KINGMAN, ALBERT	Z01	DE00358-02
KINGMAN, ALBERT	Z01	DE00387-01
KINGMAN, ALBERT	Z01	DE00388-01
KLEINMAN, HYNDA K	Z01	DE00230-08

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INVESTIGATOR		NUMBER
KOLENBRANDER, PAUL E.	Z01	DE00273-06
KOUSVELARI, ELENI E.	Z01	DE00372-02
KRAKAUER, TERESA.	Z01	DE00316-04
KRICHEVSKY, MICAH I.	Z01	DE00044-14
LI, SHOU-HUA.	Z01	DE00354-03
LI, SHOU-HUA.	Z01	DE00364-02
LITTLE, WAYNE A.	Z01	DE00371-02
LONDON, JACK P.	Z01	DE00022-18
MAIXNER, WILLIAM.	Z01	DE00329-03
MARTIN, GEORGE R.	Z01	DE00009-23
MARTIN, GEORGE R.	Z01	DE00275-06
MARTIN, SUE E.	Z01	DE00361-02
MAX, MITCHELL B.	Z01	DE00366-02
MEDNIEKS, MAIJA I.	Z01	DE00285-05
MEYER, JOHN L.	Z01	DE00162-08
MIRTH, DALE B.	Z01	DE00281-05
MIRTH, DALE B.	Z01	DE00282-05
OLIVER, CONSTANCE.	Z01	DE00199-08
OLIVERAS, JEAN-LOUIS.	Z01	DE00291-05
PLUZNIK, DOV H.	Z01	DE00374-02
PRABHAKAR, BELLUR S.	Z01	DE00309-04
PUGA-CARRASCO, ALVARO.	Z01	DE00123-11
REDDI, A. HARIDARA.	Z01	DE00204-07
ROBERTS, DAVID.	Z01	DE00373-02
ROBERTS, MICHAEL W.	Z01	DE00332-03
ROBERTS, MICHAEL W.	Z01	DE00359-02
ROBERTS, MICHAEL W.	Z01	DE00362-02
ROBEY, PAMELA G.	Z01	DE00380-01
ROBRISH, STANLEY A.	Z01	DE00382-01
RUDA, MARYANN T.	Z01	DE00288-05
RUFF, MICHAEL F.	Z01	DE00386-01
SANDBERG, ANN L.	Z01	DE00061-11
SCHIFFMANN, ELLIOTT.	Z01	DE00006-24
SHARAV, YAIR.	Z01	DE00246-07
SHARAV, YAIR.	Z01	DE00378-01
SHERN, ROALD J.	Z01	DE00112-11
SHERN, ROALD J.	Z01	DE00234-07
SHERN, ROALD J.	Z01	DE00319-04
SIRAGANIAN, REUBEN P.	Z01	DE00034-16
SIRAGANIAN, REUBEN P.	Z01	DE00290-05
SMITH, JACQUELINE I.	Z01	DE00389-01
SMITH, PHILLIP D.	Z01	DE00392-01
SMITH, PHILLIP D.	Z01	DE00393-01
STILES, HORACE M.	Z01	DE00325-04

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STILES, HORACE M.	Z01	DE00365-02
STILES, HORACE M.	Z01	DE00390-01
TERRANOVA, VICTOR P.	Z01	DE00330-03
THOMPSON, JOHN.	Z01	DE00341-03
TORCHIA, DENNIS A.	Z01	DE00157-09
VARNER, HUGH H.	Z01	DE00253-07
WAHL, LARRY M.	Z01	DE00216-08
WAHL, SHARON M.	Z01	DE00046-13
WALCZAK, CYNTHIA A.	Z01	DE00250-07
WEBBER, RICHARD L.	Z01	DE00065-13
WEBBER, RICHARD L.	Z01	DE00211-08
WEIFFENBACH, JAMES M.	Z01	DE00212-08
WITTENBERGER, CHARLES L.	Z01	DE00007-24
WOLF, ROBERT O.	Z01	DE00217-06
YAMADA, YOSHIHIKO.	Z01	DE00025-18
YOON, JI-WON.	Z01	DE00080-11
YOUNG, MARIAN F.	Z01	DE00379-01

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CLINICAL INVESTIGATIONS & PATIENT CARE BRANCH	
Z01 DE00212-08	57,300
Z01 DE00320-04	5,403
Z01 DE00332-03	124,193
Z01 DE00336-03	256,671
Z01 DE00337-03	148,474
Z01 DE00338-03	85,090
Z01 DE00359-02	10,446
Z01 DE00361-02	15,035
Z01 DE00362-02	8,565
Z01 DE00372-02	168,406
	879,583
DIAGNOSTIC SYSTEMS BRANCH	
Z01 DE00065-13	183,335
Z01 DE00211-08	162,256
Z01 DE00373-02	103,234
	448,825
DISEASE PREVENTION BRANCH	
Z01 DE00070-12	142,529
Z01 DE00112-11	160,069
Z01 DE00234-07	57,432
Z01 DE00277-05	38,001
Z01 DE00281-05	59,362
Z01 DE00282-05	97,053
Z01 DE00310-04	116,686
Z01 DE00319-04	47,619
Z01 DE00325-04	83,622
Z01 DE00365-02	103,580
Z01 DE00371-02	22,255
Z01 DE00390-01	79,722
	1,007,930
EPIDEMIOLOGY BRANCH	
Z01 DE00044-14	217,766
Z01 DE00250-07	307,827

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EPIDEMIOLOGY BRANCH	
Z01 DE00292-05	68,784
Z01 DE00324-04	37,946
Z01 DE00353-03	1,896
Z01 DE00354-03	53,521
Z01 DE00358-02	28,461
Z01 DE00364-02	13,378
Z01 DE00387-01	89,950
Z01 DE00388-01	18,973
Z01 DE00389-01	36,756
	875,258
LAB OF DEVELOPMENTAL BIOLOGY AND ANOMALIES	
Z01 DE00006-24	118,390
Z01 DE00009-23	257,298
Z01 DE00024-18	226,920
Z01 DE00025-18	506,900
Z01 DE00149-10	381,145
Z01 DE00230-08	323,244
Z01 DE00253-07	215,154
Z01 DE00275-06	23,213
Z01 DE00330-03	226,934
Z01 DE00331-03	134,106
	2,413,304
LAB OF MICROBIOLOGY AND IMMUNOLOGY	
Z01 DE00007-24	187,510
Z01 DE00022-18	254,590
Z01 DE00034-16	211,231
Z01 DE00042-14	216,915
Z01 DE00043-14	147,380
Z01 DE00046-13	251,789
Z01 DE00061-11	128,409
Z01 DE00216-08	192,794
Z01 DE00254-07	174,583
Z01 DE00273-06	160,081
Z01 DE00290-05	158,707
Z01 DE00316-04	84,023
Z01 DE00341-03	91,187

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Z01 DE00374-02	183,748
Z01 DE00381-01	96,270
Z01 DE00382-01	85,690
Z01 DE00383-01	48,308
Z01 DE00384-01	126,808
Z01 DE00385-01	66,826
Z01 DE00386-01	39,530
Z01 DE00391-01	48,308
Z01 DE00392-01	97,350
Z01 DE00393-01	92,081
	3,144,518
LAB OF ORAL BIOLOGY AND PHYSIOLOGY	
Z01 DE00001-32	98,898
Z01 DE00028-17	269,586
Z01 DE00049-13	129,396
Z01 DE00199-08	260,914
Z01 DE00217-06	99,525
Z01 DE00285-05	138,908
Z01 DE00311-04	157,239
Z01 DE00376-01	77,739
	1,232,205
LABORATORY OF ORAL MEDICINE	
Z01 DE00080-11	627,878
Z01 DE00123-11	559,811
Z01 DE00309-04	876,305
	2,063,994
MINERALIZED TISSUE RESEARCH BRANCH	
Z01 DE00012-22	72,055
Z01 DE00074-12	201,265
Z01 DE00088-11	199,478
Z01 DE00134-10	334,664
Z01 DE00157-09	259,793
Z01 DE00162-08	45,680

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MINERALIZED TISSUE RESEARCH BRANCH	
Z01 DE00204-07	292,639
Z01 DE00379-01	125,887
Z01 DE00380-01	165,524
	1,696,985
NEUROBIOLOGY AND ANESTHESIOLOGY BRANCH	
Z01 DE00020-19	107,116
Z01 DE00031-16	83,436
Z01 DE00132-10	86,211
Z01 DE00133-10	99,018
Z01 DE00246-07	102,620
Z01 DE00247-07	168,953
Z01 DE00276-06	89,799
Z01 DE00286-05	52,831
Z01 DE00288-05	108,891
Z01 DE00291-05	179,052
Z01 DE00312-04	54,832
Z01 DE00313-04	3,535
Z01 DE00329-03	131,717
Z01 DE00366-02	59,034
Z01 DE00377-01	59,355
Z01 DE00378-01	74,844
	1,461,244
GRAND TOTAL	15,223,846

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